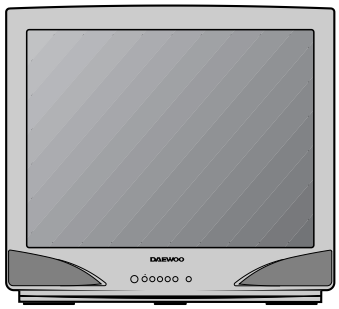
S/M No. : TCN013AEF0

Service Manual

Color Television

CHASSIS : CN-013

Model :
DTQ-29S2FCC
DTQ-26S2FCC] **U.S.A**



DTQ-26S2FCC / DTQ-29S2FCC

■ SPECIFICATIONS

ITEMS \ MODEL	DTQ-29S2FCC	DTQ-26S2FCC
TV STANDARD	NTSC-M	
POWER INPUT	AC 120V 60Hz	
POWER CONSUMPTION	97W	95W
TUNING SYSTEM	Frequency Synthesizer(FS)Tuning System	
TUNING RANGES	VHF:2~13(12) UHF:14~69(65) CATV:1~125(125)	
SOUND OUTPUT	1.6W x 1.6W x 0.5W	
SPEAKER	3W 8ohm	
ANTENNA INPUT IMPEDANCE	75ohm Unbalanced	
AUXILIARY INPUT TERMINAL	Front : Video, Audio Rear:Video, Audio (In/Out : MTI, Out :Matrix speaker)	
INTERMEDIATE FREQUENCIES	Picture IF Carrier Frequency :45.75MHz Sound IF Carrier Frequency :41.25MHz Color Sub-Carrier Frequency :42.17MHz	
REMOTE CONTROL	R-43A01	
SPECIAL FUNCTIONS	3-Language OSD With CAPTION Wake-up On/Off Time Sleep Timer Power Restore	

✔ Caution

: In this Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information,please refer to PPL(Parts Price List) in Service Information Center (http://svc.dwe.co.kr).

DAEWOO ELECTRONICS CO., LTD

http : //svc.dwe.co.kr Feb. 2002

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APPENDIX (Appendix is provided only by internet [http://svc.dwe.co.kr])

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TROUBLE SHOOTING CHARTS 13

PRODUCT SAFETY SERVICING GUIDELINES FOR COLOR TELEVISION RECEIVERS

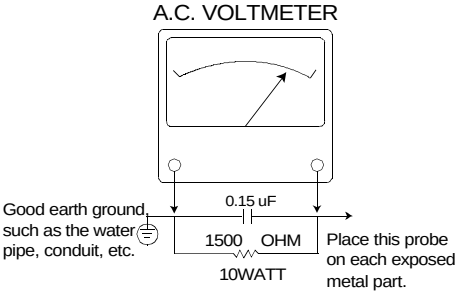
CAUTION : Do not attempt to modify this product in any way. Unauthorized modifications will not only void the warranty, but may lead to your being liable for any resulting property damage or user injury.
Service work should be performed only after you are thoroughly familiar with all of the following safety checks and servicing guidelines. To do otherwise, increases the risk of potential hazards and injury to the user.

SAFETY CHECKS

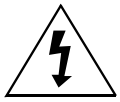
After the original service problem has been corrected, a check should be made of the following:

SUBJECT : FIRE & SHOCK HAZARD

1. Be sure that all components are positioned in such a way as to avoid possibility of adjacent component shorts. This is especially important on those chassis which are transported to and from the repair shop.
2. Never release a repair unless all protective devices such as insulators, barriers, covers, shields, strain reliefs, and other hardware have been reinstalled per original design.
3. Soldering must be inspected to discover possible cold solder joints, frayed leads, damaged insulation (including A.C. cord), solder splashes or sharp solder points. Be certain to remove all loose foreign particals.
4. Check for physical evidence of damage or deterioration to parts and components, and replace if necessary follow original layout, lead length and dress.
5. No leads or components should touch a receiving tube or a resistor rated at 1 watt or more. Lead tension around protruding metal surfaces must be avoided.
6. All critical components such as fuses, flameproof resistors, capacitors, etc. must be replaced with exact factory types. Do not use replacement components other than those specified or make unrecommended circuit modifications.
7. After re-assembly of the set always perform an A.C. leakage test on all exposed metallic parts of the cabinet, (the channel selector knob, antenna terminals, handle and screws) to be sure the set is safe to operate without danger of electrical shock. Do not use a line isolation transformer during this test. Use an A.C. voltmeter, having 5000 ohms per volt or more sensitivity, in the following manner : connect a 1500 ohm 10 watt resistor, paralleled by a 15 mfd. 150V A.C. type capacitor between a known good earth ground (9water pipe, conduit, etc.) and the exposed metallic parts, one at a time. Measure the A.C. voltage across the combination of 1500 ohm resistor and 0.15 MFD capacitor. Reverse the A.C. plug and repeat A.C. voltage measurements for each exposed metallic part. Voltage measured must not exceed 0.75 volts R.M.S. This corresponds to 0.5 milliamp A.C. Any value exceeding this limit constitutes a potential shock hazard and must be corrected immediately.

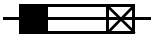

A.C. VOLTMETER
0.15 uF
Good earth ground, such as the water pipe, conduit, etc.
1500 OHM
10WATT
Place this probe on each exposed metal part.

GRAPHIC SYMBOLS :



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the service personnel to the presence of uninsulated “dangerous voltage” that may be of sufficienty magnitude to constitute a risk of electric shock.

The exclamation point within an equilateral triangle is intended to alert the service personnel to the presence of important safety information in service literature.



Fuse symbol is printed on pcb adjacent to the fuse, with “RISK OF FIRE REPLACE FUSE AS MARKED”. The symbol is explained in the service manual with the following wording or equivalent.

“CAUTION : FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE (5A, 125V)” and “**ATTENTION**: AFIN D’ASSU UNE PROTECTION PERMANENTE CONTRE LES RISQUES D’INCENDIE, REMPLACER UNIQUEMENT PAR UN FUSIBLE DE MEME TYPE ET DE ”5A, 125V”.

SUBJECT : X-RADIATION

1. Be sure procedures and instructions to all service personnel cover the subject of X-rays in current T.V. receivers is the picture tube. However, this tube does not emit X-rays when the high voltage is at the factory specified level. The proper value is given in the applicable schematic. Operation at higher voltages may cause a failure of the picture tube or high voltage supply and, under certain circumstances, may produce radiation in excess of desirable levels.
2. Only factory specified C.R.T. anode connectors must be used. Degaussing shields also serve as X-ray shield in color sets. Always re-install them.
3. It is essential that the serviceman has available an accurate and reliable high voltage meter. The calibration of the meter should be checked perio - dically against a reference standard. Such as the one available at your distributor.
4. When the high voltage circuitry is operating properly there is no possibility of an X-radiation problem. Every time a color chassis is serviced, the brightness should be run up and down while monitoring the high voltage with a meter to be certain that the high voltage does not exceed the specified value and that it is regulating correctly. We suggest that you and your service organization review test procedures so that voltage regulation is always checked as a standard servicing procedure. And that the high voltage reading be recorded on each customer’s invoice.
5. When troubleshooting and making test measurements in a receiver with a problem of excessive high voltage, avoid being unnecessarily close to the picture tub eand the high voltage compartment.
   Do not operate the chassis longer than is necessary to locate the cause of excessive voltage.
6. Refer to HV, B+and Shutdown adjustment procedures described in the appropriate schematic and diagrams(where used).

SUBJECT : IMPLOSION

1. All direct viewed picture tubes are equipped with an integral implosion protection system, but care should be taken to avoid damage during installation. Avoid scratching the tube. If scratched, replace it.
2. Use only recommended factory replacement tubes.

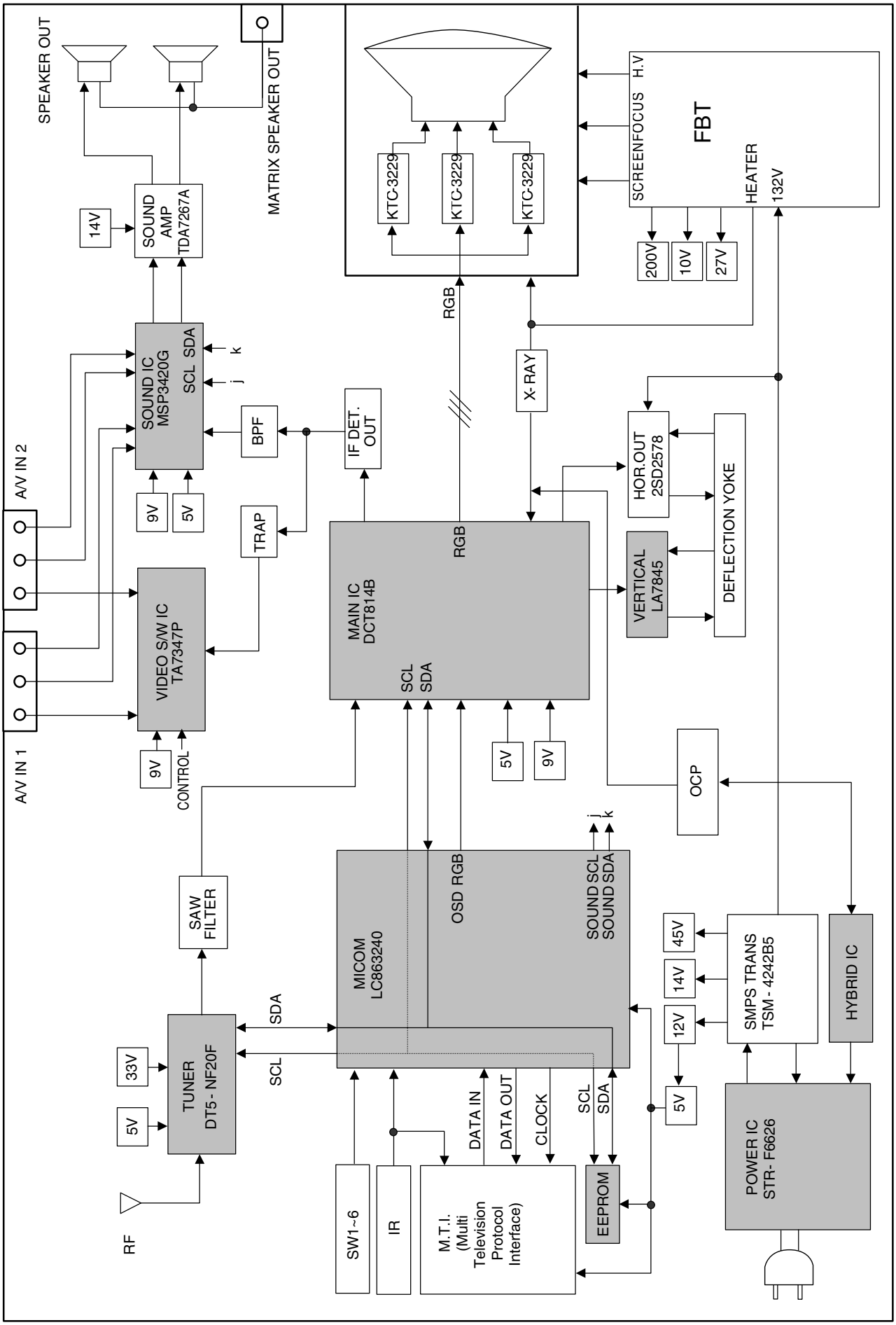
SUBJECT : TIPS ON PROPER INSTALLATION

1. Never install any receiver in closed-in recess, cubbyhole or closely fitting shelf space over, or close to heat duct, or in the path of heated air flow.
2. Avoid conditions of high humidity such as : Outdoor patio installations where dew is a factor. Near steam radiators where steam leakage is a factor, etc.
3. Avoid placement where draperies may obstruct rear venting. The customer should also avoid the use of decorative scarves or other coverings which might obstruct ventilation.
4. Wall and shelf mounted installations using a commercial mounting kit, must follow the factory approved mounting instructions. A receiver mounted to a shelf or platform must retain its original feet(or the equivalent thickness in spacers) to provide adequate are flow across the bottom, bolts or screws used for fasteners must not touch and parts or wiring. Perform leakage test on customized installations.
5. Caution customers against the mounting of a receiver on sloping shelf or a tilted position, unless the receiver is properly secured.
6. A receiver on a roll-about cart should be stable on its mounting to the cart. Caution the customer on the hazards of trying to roll a cart with small casters across thresholds or deep pile carpets.
7. Caution customers against the use of a cart or stand which has not been listed by underwriters laboratories, inc. For use with their specific model of television receiver or generically approved for use with T.V.'s of the same or larger screen size.

SPECIFICATIONS

MODE / ITEMS	DTQ-29S2FCC	DTQ-26S2FCC	REMARKS
TV STANDARD	NTSC-M		
POWER INPUT	AC120V 60Hz		
POWER CONSUMPTION	97W	95W	
TUNNING SYSTEM	Frequency Synthesizer (FS) Tuning System		
TUNING RANGES	VHF : 2 ~ 13 (12) UHF : 14 ~ (56) CATV : 1 ~ 125 (125)		
SOUND OUTPUT	1.6W X 1.6W X 0.5W		
SPEAKER	3W 8 ohm		
ANTENNA INPUT IMPEDANCE	75 ohm Unbalanced		
AUXILARY INPUT TERMINAL	Front : Video, Audio Rear : Video, Audio (In/Out : M.T.I, Out : Matrix Speaker)		
INTERMEDIATE FREQUENCIES	Picture IF Carrier Frequency : 45.75 MHz Sound IF Carrier Frequency : 41.25 MHz Color Sub-Carrier Frequency : 42.17 MHz		
REMOTE CONTROL	R-43A01		
SPECIAL FUNCTIONS	3-Language OSD With CAPTION Wake-up On/Off Time Sleep Timer Power Restore		

CIRCUIT BLOCK DIAGRAM



ALIGNMENT INSTRUCTIONS

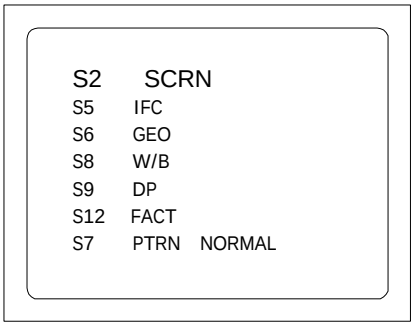
1. SERVICE MODE ADJUSTMENTS

Follow the steps below whenever service adjustment is required. See Table- A and Table- B to determine if service adjustments are required.

1) How to enter the service mode using the user remote control.

- Turn the set on.
- Direct the remote control to the reception window of TV.
- Push buttons of remote control in sequence as follows.

  1 ® MUTE ® DISPLAY ® MUTE
- Then, the screen will appear as follows.



- Using the channel up or channel down button, select the item you wish to adjust. (The color of selected item turns into the red.)
- Press the volume up or down button to enter in the service mode you wish to adjust.

2) How to memorize the adjusted values in the service mode.

- Must press **DISPLAY** button the state which the screen is displaying each of service menus after all adjustments are completed each of all service menu.

Table-A : Adjust the values of service mode when a part is replaced.

PART REPLACED	ADJUSTMENT		NOTES
	NECESSARY	UNNECESSARY	
I701 (U-COM)		O	Data is stored in I703.
I101 (MAIN)		O	
I703 (EEPROM)	O		Initial setting values are written from I701. Adjusting Items S5 RFAGCD S6 H.PHASE/V.POSI/V.SIZE S8 RD/BD/RB/GB/BB S9 Subbrightness
CRT	O		Adjust items related to picture tube only.(White Balance adjustment)

Table-B

MODE	ADJUSTMENT ITEMS	DATA		REMARKS
		INITIAL	RANGE	
S2	Screen Adjustment	-	-	
S5	Auto RF AGC	-	-	
	Video Level (VIDEOL)	7	0 ~ 7	Must be set to 7
	RF AGC Delay (RFAGCD)	*	0 ~ 63	Align RF AGC threshold
	FM Level (FM.LEV)	20	0 ~ 31	Must be set to 20
	AGC Point	3.75	-	Select AGC reference voltage
	A/D VALUE	-	-	
S6	Horizontal Phase(H.PHASE)	*	0 ~ 31	Align sync to flyback pulse, using internal cross pattern(S7)
	Vertical Position (V.POSI)	*	0 ~ 63	Align vertical DC bias, using internal cross pattern(S7)
	Vertical Size (V.SIZE)	*	0 ~ 127	Align vertical amplitude, using internal cross pattern(S7)
	NO SD POWER OFF	YES	-	Automatically turn off in 15min for no received signal.
	Vertical S-Correction (V SC)	3	0 ~ 31	Must be set to 6
	Vertical Linearity (V LIN)	23	0 ~ 31	Must be set to 16
S7	Internal Black	-	-	Display internal BLACK pattern
	Internal 100% White	-	-	Display internal 100% WHITE
	Internal 60% White	-	-	Display internal 60% WHITE
	Internal Cross Pattern	-	-	Display internal CROSS pattern
S8	Red Drive (RD)	*	0 ~ 127	Align RED OUT AC level
	Green Drive (GD)	10	0 ~ 15	Must be set to 10
	Blue Drive (BD)	*	0 ~ 127	Align BLUE OUT AC level
	Red Bias (RB)	*	0 ~ 255	Align RED OUT DC level
	Green Bias (GB)	*	0 ~ 255	Align GREEN OUT DC level
	Blue Bias (BB)	*	0 ~ 255	Align BLUE OUT DC level
S9	Subbrightness	*	0 ~ 127	Align common RGB DC level
	Contrast	27	0 ~ 27	
	Tint	27	0 ~ 27	
	Color	15	0 ~ 27	
S12	Forwarding Mode	-		Factory Initialization

* indicates the items with different settings each of sets

2. ASSEMBLY ADJUSTMENTS

1) SCREEN ADJUSTMENT (S2)

- Enter the service mode and select service adjustment S2.
- You can see the one horizontal line on the screen.
- Adjust the Screen Control Volume (located on FBT) so that the horizontal line onscreen may be disappeared.
- Press the volume up or down button to exit in the screen adjustment mode.

NOTE

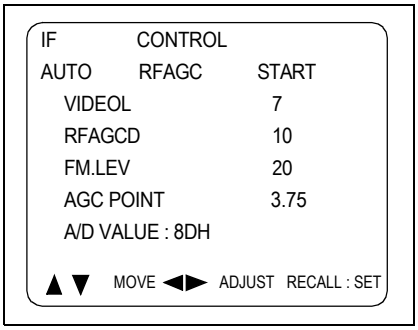
IN THE SCREEN ADJUSTMENT MODE, DONT PRESS OTHER BUTTONS EXCEPT VOLUME UP OR DOWN BUTTON.

2) FOCUS ADJUSTMENT

- Turn in a local station and adjust the Focus Control knob (located on FBT) for best picture details at high light condition.

3) RF AGC DELAY ADJUSTMENT (S5)

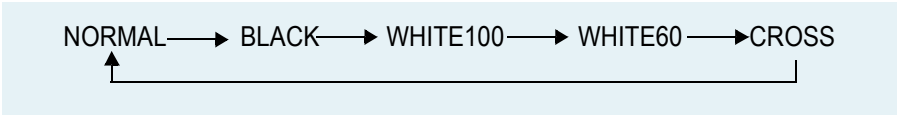
- Receive a good local channel.
- Enter the service mode and select service adjustment S5.
- You can see the OSD as shown in below.



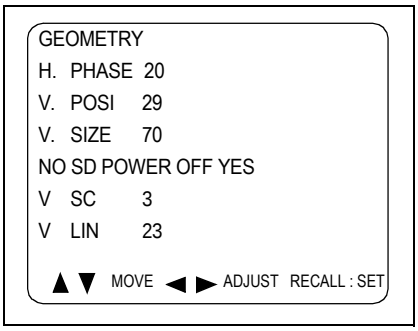
- Select RFAGCD item, press the volume up or down button until noise or beat in picture disappears.
- Press the DISPLAY button to memorize the data.

4) GEOMETRIC ADJUSTMENTS (S6)

- Enter the service mode and select service adjustment S7.
- Whenever you select the “S7” using the volume up or down button, the screen is changing like this.



- Using the volume up or down button, select internal cross pattern.
- Select service adjustment S6
- You can see the OSD as shown in below.



4-1. Horizontal Position Adjustment

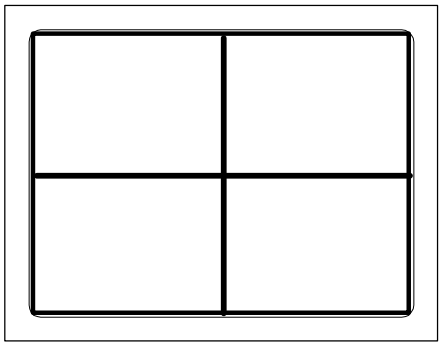
- Select H.PHASE item, adjust H.PHASE data value to obtain proper horizontal centering of the internal cross pattern at the left and right of the screen.

4-2. Vertical Position Adjustment

- Select V.POSI item, adjust V.POSI data value to center the raster properly on thescreen.

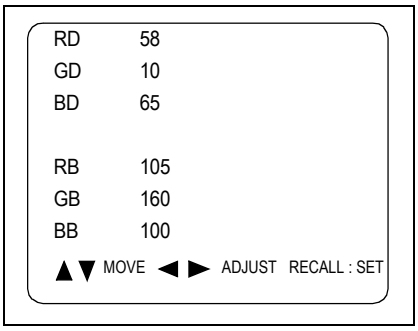
4-3. Vertical Size Adjustment

- Select “V.SIZE” item, adjust “V.SIZE” data value to proper vertical size as follows.



5) WHITE BALANCE ADJUSTMENT(S8)

- Receive a good local channel.
- Enter the service mode and select service adjustment S8.
- You can see the OSD as shown in below.

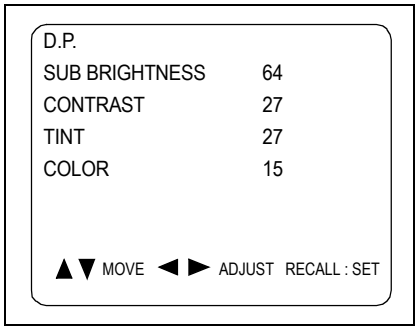


- Using volume up or volume down, adjust service adjustment data of RD/GD/BD and RB/GB/BB until a good gray scale with normal whites is obtained.ALIGNMENT INSTRUCTIONS
- Press the DISPLAY button to memorize the data.

6) DIGITAL PRESET(D.P) ADJUSTMENTS(S9)

SUBBRIGHTNESS ADJUSTMENT

- Receive a good local channel.
- Enter the service mode and select service adjustment S9.
- You can see the OSD as shown in below.



- Select Subbrightness item, adjust Subbrightness data value to obtain normal brightness level.
- Press the DISPLAY button to memorize the data.

CONTRAST

- Fixed value = 27

TINT

- Fixed value = 27

COLOR

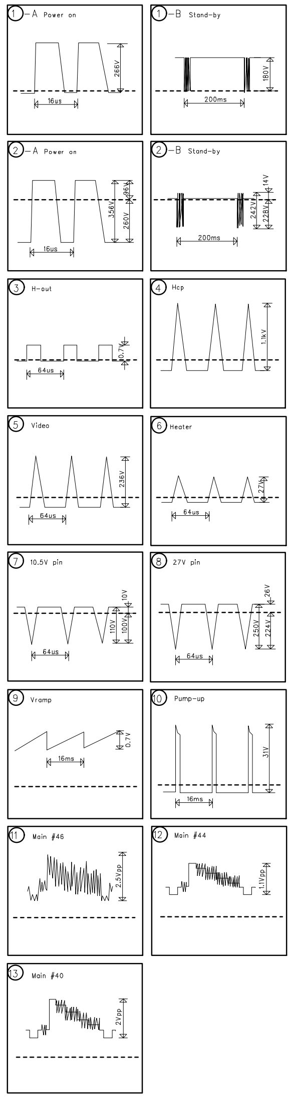
- Fixed value = 15

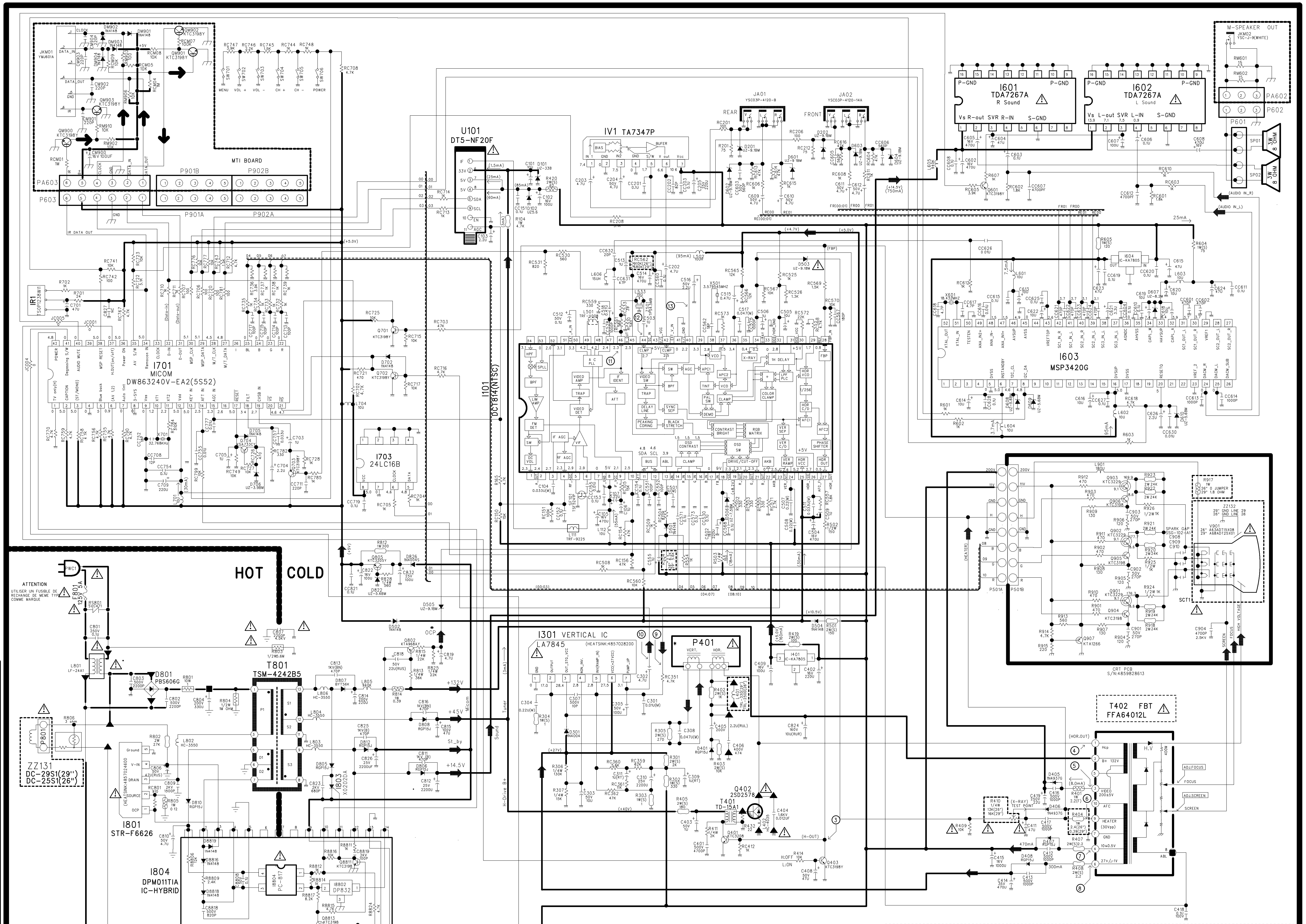
7) FACTORY OUTGOING MODE (S12 : FACT)

- If you select the S12, then the set becomes factory outgoing status.
- You can see the OSD "outgoing OK"

SCHEMATIC DIAGRAM

CN-013 CHASSIS





LOC	L401	R404	R410	RC562	R917	R504	ZZ131	ZZ132	V901
DTQ-26S2FCC	TRL-250D	1W 2.4	13K	910k	0	6.2K	DC-25S1	26	A63ADT15X08(RCA) SQUARE TYPE
DTQ-29S2FCC	TRL-330	1W 0.39	16K	680k	1W 1.8	5.6K	DC-29S1	29	A68ADT25X01(RCA)

1. CAUTION

⚠ SYMBOL MARKED PARTS IN THE SCHEMATIC DIAGRAM DESIGNATE THE CONPONENTS WHICH HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY AND SHOULD BE REPLACED ONLY WITH TYPES IDENTICAL TO THOSE IN ORIGINAL CIRCUIT OR SPECIFIED IN THE PARTS LIST DO NOT DEGRADE THE SAFETY OF THE RECEIVER THROUGH IMPROPER SEVICING

WARING :

BEFORE SERVICING THIS CHASSIS,READ THE "X-RAY RADIATION PRECAUTION " "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" IN THE SERVICE MANUAL.

CAUTION TO THE SERVICE TECHNICIANS :

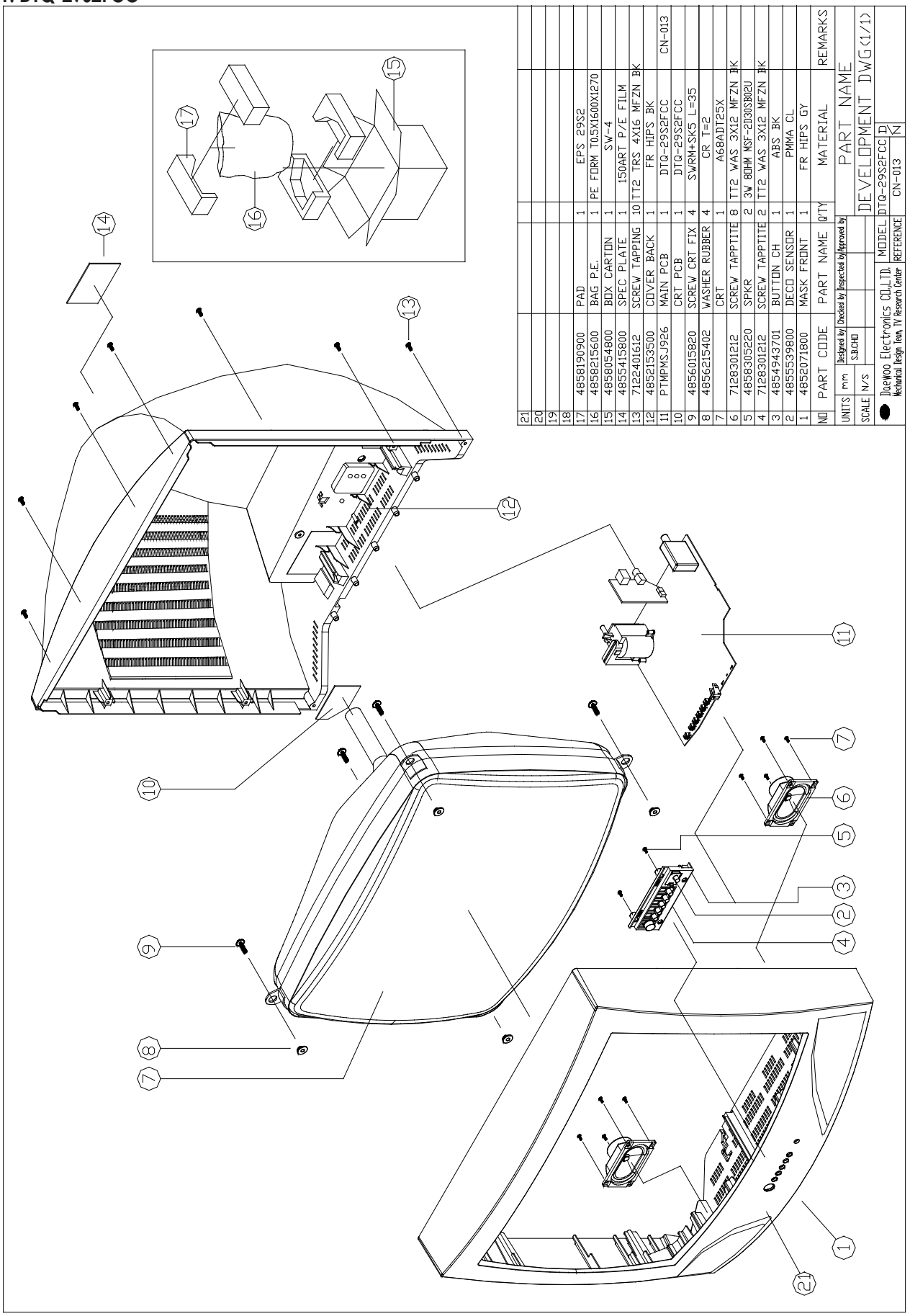
BEFORE RETURNING THE RECEIVER TO THE CUSTOMER APROPRIATE LEAKAGE CURRENT OR RESISTANCE MEASUREMENT SHOULD BE CONDUCTED TO DETERMINE THAT EXPOSED PARTS ARE PROPERLY INSULATED FROM THE SUPPLY CIRCUIT.

NOTE :

1. RESISTANCE IS SHOWN IN OHMS. K=1,000 M=1,000,000
2. UNLESS OTHERWISE NOTED IN SCHEMATIC ALL THE COMPONENTS WHICH HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY AND SHOULD BE REPLACED ONLY WITH TYPES INDENTICAL TO THOSE IN ORIGINAL CIRCUIT
3. VOLTAGES READ WITH "V.T.V.M" FROM POINT INDICATE TO CHASSIS GROUND USING A COLOR BAR SIGNAL WITH ALL CONTROLS AT NORMAL LINE VOLTAGE 120 VOLTS AC. VOLTAGE READINGS SHOWN ARE NORMAL VALUES AND MAY VARY +20% EXCEPT H.V.
4. IN CASE OF 29" RECEIVER THE COMPONENT WITH THE MARK * SHOULD BE USED ONLY.
5. THE CIRCUIT DIAGRAM IS A STANDARD ONE. CIRCUITS PRINTED MAY BE SUBJECT TO CHANGE FOR PRODUCT IMPROVEMENT WITHOUT PRIOR NOTICE.

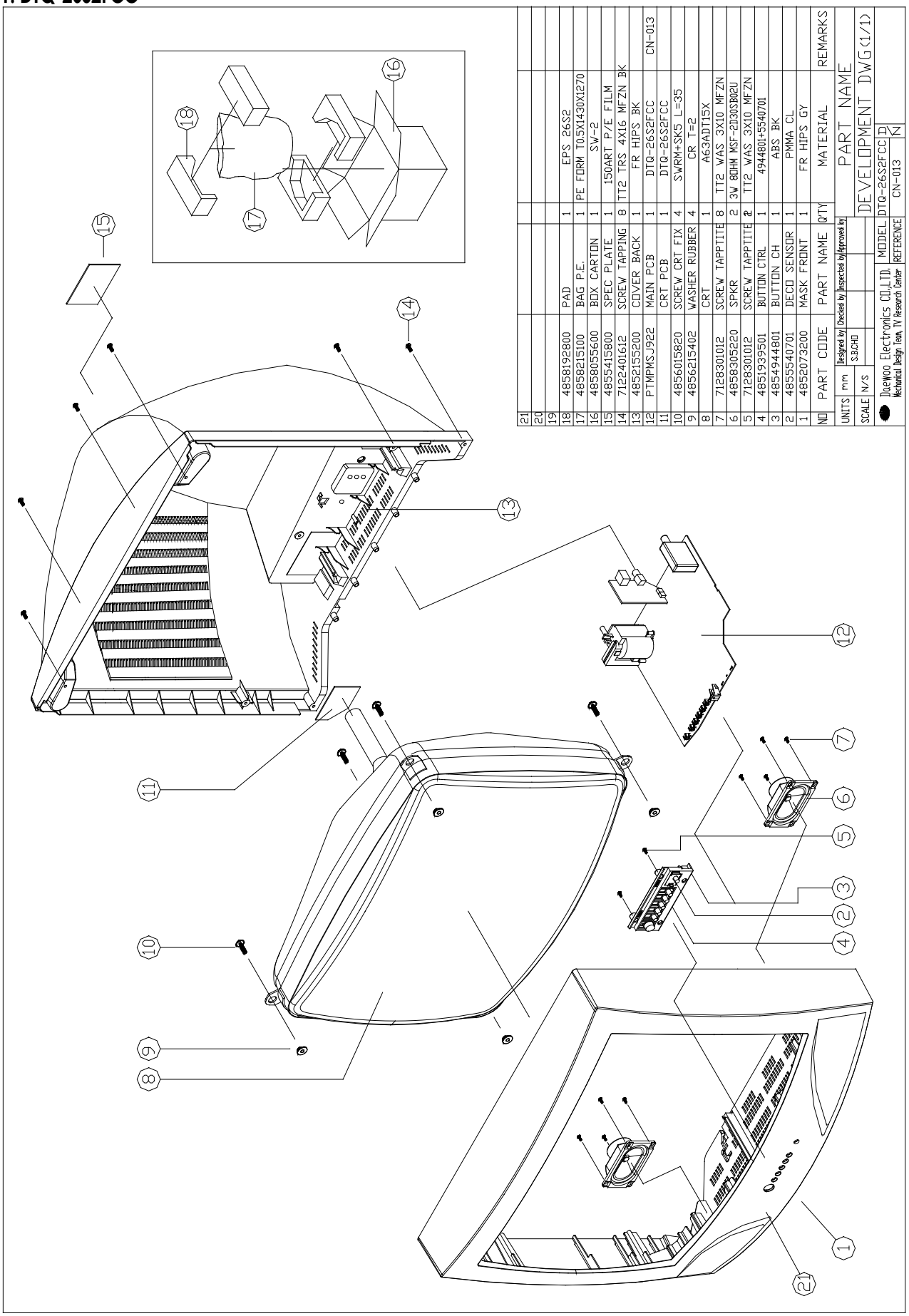
EXPLODED VIEW

1. DTQ-29S2FCC


21
20
19
18
17 4858190900 PAD 1 EPS 29S2
16 4858215600 BAG P.E. 1 PE FORM T0.5X1600X1270
15 4858054800 BOX CARTON 1 SW-4
14 4855415800 SPEC PLATE 1 150ART P/E FILM
13 7122401612 SCREW TAPPING 10 TT2 TRS 4X16 MFZN BK
12 4852153500 COVER BACK 1 FR HIPS BK
11 PTMPMSJ926 MAIN PCB 1 DTQ-29S2FCC CN-013
10 CRT PCB 1 DTQ-29S2FCC
9 4856015820 SCREW CRT FIX 4 SWRM+SK5 L=35
8 4856215402 WASHER RUBBER 4 CR T=2
7 CRT 1 A68ADT25X
6 7128301212 SCREW TAPPTITE 8 TT2 WAS 3X12 MFZN BK
5 4858305220 SPKR 2 3W 8OHM MSF-2D30X80ZU
4 7128301212 SCREW TAPPTITE 2 TT2 WAS 3X12 MFZN BK
3 4854943701 BUTTON CH 1 ABS BK
2 4855539800 DECO SENSOR 1 PMMA CL
1 4852071800 MASK FRONT 1 FR HIPS GY
NO PART CODE PART NAME QTY MATERIAL REMARKS
UNITS mm Designed by Checked by Inspected by Approved by
SCALE N/S S.B.CHOI
PART NAME
DEVELOPMENT DWG(1/1)
DaeWoo Electronics CO.,LTD. MODEL DTQ-29S2FCC D
Mechanical Design Team, TV Research Center REFERENCE CN-013 N

EXPLODED VIEW

1. DTQ-26S2FCC



NO	PART CODE	PART NAME	Q'TY	MATERIAL	REMARKS
21					
20					
19					
18	4858192800	PAD	1	EPS 26S2	
17	4858215100	BAG P.E.	1	PE FORM T0.5X1430X1270	
16	4858055600	BOX CARTION	1	SW-2	
15	4855415800	SPEC PLATE	1	150ART P/E FILM	
14	7122401612	SCREW TAPPING	8	TT2 TRS 4X16 MFZN BK	
13	4852155200	COVER BACK	1	FR HIPS BK	
12	PTMPMSJ922	MAIN PCB	1	DTQ-26S2FCC	CN-013
11		CRT PCB	1	DTQ-26S2FCC	
10	4856015820	SCREW CRT FIX	4	SWRM+SK5 L=35	
9	4856215402	WASHER RUBBER	4	CR T=2	
8		CRT	1	A63ADT15X	
7	7128301012	SCREW TAPPTITE	8	TT2 WAS 3X10 MFZN	
6	4858305220	SPKR	2	3W 8OHM MSF-2D30SB02U	
5	7128301012	SCREW TAPPTITE	2	TT2 WAS 3X10 MFZN	
4	4851939501	BUTTON CTRL	1	494480I+5540701	
3	4854944801	BUTTION CH	1	ABS BK	
2	4855540701	DECO SENSOR	1	PMMA CL	
1	4852073200	MASK FRONT	1	FR HIPS GY	

UNITS: mm | SCALE: N/S | Designed by: S.B.CHOI | Checked by/Inspected by/Approved by | PART NAME: DEVELOPMENT DWG(1/1)

Daewoo Electronics CO.,LTD. Mechanical Design Team, TV Research Center | MODEL: DTQ-26S2FCC | REFERENCE: CN-013 | D | N

PRINTED CIRCUIT BOARD

SERVICE PARTS LIST

CAUTION : In this Service Manual, some parts can be changed for improving their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List)in Service information Center(http://svc.dwe.co.kr)

z_loc	z_parts_code	parts_name	parts_descr
ZZ100	48B4343A01	TRANSMITTER REMOCON	R-43A01 (AA)
ZZ110	PTACPWJ922	ACCESSORY AS	DTQ-26S2FCC
00020	48586054K1	MANUAL INSTRUCTION	DTM-2082CW
M821	4858213800	BAG INSTRUCTION	L.D.P.E T0.05X250X400
ZZ120	PTBCSHJ922	COVER BACK AS	DTQ-26S2FCC
M211	4852155200	COVER BACK	FR HIPS BK
M541	4855415800	SPEC PLATE	150ART P/E FILM (C/TV)
M781	4857817630	CLOTH BLACK	FELT 400X20X0.7
ZZ130	PTPKCPJ922	PACKING AS	DTQ-26S2FCC
10	6520010100	STAPLE PIN	AUTO W65
M681	4856812400	BAND PP AUTO	0.95X17mmX1000m
M801	4858055600	BOX CARTON	SW-2
M811	4858192800	PAD	EPS 26S2
M821	4858215100	BAG P.E	PE FOAM t0.5x1430x1270
ZZ131	48519A6110	CRT GROUND AS	GND LINE IEA 26
ZZ132	58G0000142	COIL DEGAUSSING	DC-25S1
ZZ140	PTCACAJ922	CABINET AS	DTQ-26S2FCC
M191	4851939501	BUTTON CTRL	4944801+5540701
M191A	7178301011	SCREW TAPPTITE	TT2 WAS 3X10 MFZN
M211A	7172401612	SCREW TAPPTITE	TT2 TRS 4X16 MFZN BK
M211B	7172401612	SCREW TAPPTITE	TT2 TRS 4X16 MFZN BK
M211C	7178301212	SCREW TAPPTITE	TT2 WAS 3X12 MFZN BK
M211D	7178301012	SCREW TAPPTITE	TT2 WAS 3X10 MFZN BK
M601	4856015820	SCREW CRT FIX	SWRM+SK5 L=35
M621	4856215402	WASHER RUBBER	CR T2.0
M771	4857719700	CUSHION CRT B	NEOPRENE
SP01A	7178301011	SCREW TAPPTITE	TT2 WAS 3X10 MFZN
SP01B	7178301011	SCREW TAPPTITE	TT2 WAS 3X10 MFZN
V901	4859625060	CRT	A63ADT15X08
ZZ200	PTFMSJJ922	MASK FRONT AS	DTQ-26S2FCC
M201	4852073200	MASK FRONT	FR HIPS BK
ZZ210	PTSPPWJ922	SPEAKER AS	DTQ-26S2FCC
P601A	4850704S38	CONNECTOR	YH025-04+35098+ULW=400
SP1	4858305220	SPEAKER	SP-5090F01
SP2	4858305220	SPEAKER	SP-5090F01
ZZ290	PTMPMSJ922	PCB MAIN MANUAL AS	DTQ-26S2FCC
10	2193102005	SOLDER BAR	SN:PB=63:47 S63S-1320
30	2291050616	FLUX SOLDER	JS-64T3
40	2291050301	FLUX SOLVENT	IM-1000
C404	CMYH3C123J	C MYLAR	1.6KV BUP 0.012MF J
C406	CMYE2G474J	C MYLAR	400V PU 0.47MF J
C801	CL1UC3104M	C LINE ACROSS	WORLD AC250V 0.1UF M R.47
C804	CEYN2D331P	C ELECTRO	200V LHS 330MF
C807	CH1BFE222M	C CERA AC	U/C/V AC400V 2200PF
C809	CBYB3D152K	C CERA SEMI	2KV BL(N) 1500PF K
C814	CEYN2D221T	C ELECTRO	200V FWS 220MF (22X30)
D801	DPBS606GU-	DIODE BRIDGE	PBS606G
D807	DBYT56K---	DIODE	BYT56K
F801	5F1GB5021L	FUSE GLASS TUBE	CSA/UL 125V 5A
I101	1DCT814B--	IC CHROMA	DCT814B
I301	PTA2SW7921	HEAT SINK ASS`Y	1LA7845N-- + 7174300811
I301	1LA7845N--	IC	LA7845N
I301A	4857027921	HEAT SINK	AL EX BK

z_loc	z_parts_code	parts_name	parts_descr
I301B	7174300811	SCREW TAPPTITE	TT2 RND 3X8 MFZN
I401	1K1A7805P1	IC REGULATOR	KIA7805API
I601	1TDA7267A-	IC AMP	TDA7267A
I602	1TDA7267A-	IC AMP	TDA7267A
I603	1MSP3420B8	IC SOUND PROCESSOR	MSP3420G-P0-B8
I604	1K1A7805P1	IC REGULATOR	KIA7805API
I701	1DW8632MA1	IC MICOM	DW863240V-MA1
I703	1AT24C16PC	IC	AT24C16-10PC
I801	PTF2SW7701	HEAT SINK ASS`Y	1STRF6626- + 7174300811
I801	1STRF6626-	IC POWER	STR-F6626
I801A	4857027701	HEAT SINK	AL EX
I801B	7174301011	SCREW TAPPTITE	TT2 RND 3X10 MFZN
I803	TX0202DA--	THYRISTOR	X0202DA1BA2
I804	4850M04810	MODULE POWER	DPM011 TI
IR01	1TS0P1238W	IC PREAMP	TS0P1238WI1
IV01	1TA7347P--	IC SWITCH	TA7347P
JA01	4859103040	JACK PHONO	YSC03P-4120-B
JA02	4859108450	JACK PIN BOARD	YSC03P-4120-14A
JKM01	4859100490	JACK MODULAR	YMJ601A
JKM02	4859101645	JACK PHONE	YSC-J-9 (WHITE)
L111	58C5580019	COIL CHOKE	TRF-9225 (0.55UH)
L401	58H0000056	COIL H-LINEARITY	TRL-250D
L501	58N0000042	COIL VCO	TRF-V008
L801	5PLF24A1--	FILTER LINE	LF-24A1
P401	4850704S35	CONNECTOR	YFH800-04+YDT236+ULW=500
P602	4850703N20	CONNECTOR	YBNH250-03+YBNT250+ULW200
P603	4850706N11	CONNECTOR	YBNH250-06+YBNT250+ULW300
P901A	4859280120	CONN WAFER	TAC-L05X-A3
P901B	4859278620	CONN WAFER	TAC-L05P-A3 (ANGLE)
P902A	4859280120	CONN WAFER	TAC-L05X-A3
P902B	4859278620	CONN WAFER	TAC-L05P-A3 (ANGLE)
PM10	4853953300	BRKT PCB	EGI T0.8
PM10A	7174300611	SCREW TAPPTITE	TT2 RND 3X6 MFZN
PWC1	4859907810	CORD POWER AS	ME301P+TER=2100
Q401	TKTC3229--	TR	KTC3229
Q402	PTB2SW7609	HEAT SINK ASS`Y	T2SD2578-- + 7174300811
00001	T2SD2578--	TR	2SD2578
0000A	4857027609	HEAT SINK	AL EX
0000B	7174300811	SCREW TAPPTITE	TT2 RND 3X8 MFZN
Q802	TKTA968AY-	TR	KTA968AY
R801	RX10B109JQ	R CEMENT	10W 1 OHM J BEN 25MM 4P
R805	RW02Z128KS	R WIRE WOUND	2W 0.12 OHM K SMALL
R806	DPB3R0M140	POSISTOR	2322 662 96693
RLY1	5SC0101338	SW RELAY	DQ5D1-O(M)/GJ-SS-105LM
RS801	DSVC471D14	VARISTOR	SVC471D14A
SF101	5PTSF5241P	FILTER SAW	TSF5241P
T401	50D15A1---	TRANS DRIVE	TD-15A1
T402	50H0000224	FBT	FFA64012L
T801	50M4242B5-	TRANS SMPS	TSM-4242B5
U101	4859719130	TUNER VARACTOR	DT5-NF20F
X601	5XE18R432E	CRYSTAL QUARTZ	HC-49/U 18.43200MHZ 30PPM
X701	5XYR03276C	CRYSTAL QUARTZ	C-001R 32.768000KHZ 20PPM
Z501	5PYXT4R5MB	FILTER CERA	XT 4.5MB

SERVICE PARTS LIST

z_loc	z_parts_code	parts_name	parts_descr
ZZ200	PTMPJ2J922	PCB CHIP MOUNT B AS	DTQ-26S2FCC
CC151	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012
CC152	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012
CC153	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012
CC154	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012
CC155	HCFK103ZCA	C CHIP CERA	50V Y5V 0.01MF Z 2012
CC201	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012
CC202	HCQK820JCA	C CHIP CERA	50V CH 82PF J 2012
CC203	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012
CC528	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
CC530	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012
CC551	HCQK101JCA	C CHIP CERA	50V CH 100PF J 2012
CC552	HCQK101JCA	C CHIP CERA	50V CH 100PF J 2012
CC560	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012
CC562	HCQK180JCA	C CHIP CERA	50V CH 18PF J 2012
CC567	HCQK181JCA	C CHIP CERA	50V CH 180PF J 2012
CC568	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012
CC571	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012
CC573	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012
CC575	HCQK102JCA	C CHIP CERA	50V CH 1000PF J 2012
CC601	HCQK471JCA	C CHIP CERA	50V CH 470PF J 2012
CC602	HCQK471JCA	C CHIP CERA	50V CH 470PF J 2012
CC603	HCQK561JCA	C CHIP CERA	50V CH 560PF J 2012
CC604	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012
CC605	HCQK561JCA	C CHIP CERA	50V CH 560PF J 2012
CC606	HCQK561JCA	C CHIP CERA	50V CH 560PF J 2012
CC607	HCBK472KCA	C CHIP CERA	50V X7R 4700PF K 2012
CC608	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012
CC610	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012
CC611	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012
CC612	HCBK472KCA	C CHIP CERA	50V X7R 4700PF K 2012
CC613	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
CC614	HCBK102KCA	C CHIP CERA	50V X7R 1000PF K 2012
CC615	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012
CC616	HCFK103ZCA	C CHIP CERA	50V Y5V 0.01MF Z 2012
CC617	HCQK479CCA	C CHIP CERA	50V CH 4.7PF C 2012
CC618	HCQK479CCA	C CHIP CERA	50V CH 4.7PF C 2012
CC619	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012
CC620	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012
CC621	HCBK471KCA	C CHIP CERA	50V X7R 470PF K 2012
CC622	HCBK471KCA	C CHIP CERA	50V X7R 470PF K 2012
CC623	HCBK471KCA	C CHIP CERA	50V X7R 470PF K 2012
CC624	HCBK471KCA	C CHIP CERA	50V X7R 470PF K 2012
CC625	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012
CC626	HCFK103ZCA	C CHIP CERA	50V Y5V 0.01MF Z 2012
CC627	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012
CC628	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012
CC630	HCFK103ZCA	C CHIP CERA	50V Y5V 0.01MF Z 2012
CC631	HCQK470JCA	C CHIP CERA	50V CH 47PF J 2012
CC632	HCQK200JCA	C CHIP CERA	50V CH 20PF J 2012
CC708	HCQK120JCA	C CHIP CERA	50V CH 12PF J 2012
CC711	HCQK221JCA	C CHIP CERA	50V CH 220PF J 2012
CC713	HCQK101JCA	C CHIP CERA	50V CH 100PF J 2012

z_loc	z_parts_code	parts_name	parts_descr
CC714	HCQK101JCA	C CHIP CERA	50V CH 100PF J 2012
CC715	HCQK101JCA	C CHIP CERA	50V CH 100PF J 2012
CC717	HCQK101JCA	C CHIP CERA	50V CH 100PF J 2012
CC719	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012
CC752	HCQK180JCA	C CHIP CERA	50V CH 18PF J 2012
CC754	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012
CC755	HCFK103ZCA	C CHIP CERA	50V Y5V 0.01MF Z 2012
CC757	HCBK333KCA	C CHIP CERA	50V X7R 0.033MF K 2012
CC777	HCFK103ZCA	C CHIP CERA	50V Y5V 0.01MF Z 2012
CC821	HCFK104ZCA	C CHIP CERA	50V Y5V 0.1MF Z 2012
JC001	HRFT000-CA	R CHIP	1/10 0 OHM 2012
JC004	HRFT000-CA	R CHIP	1/10 0 OHM 2012
JC005	HRFT000-CA	R CHIP	1/10 0 OHM 2012
RC105	HRFT153JCA	R CHIP	1/10 15K OHM J 2012
RC150	HRFT153JCA	R CHIP	1/10 15K OHM J 2012
RC151	HRFT104JCA	R CHIP	1/10 100K OHM J 2012
RC154	HRFT473JCA	R CHIP	1/10 47K OHM J 2012
RC156	HRFT473JCA	R CHIP	1/10 47K OHM J 2012
RC201	HRFT101JCA	R CHIP	1/10 100 OHM J 2012
RC206	HRFT101JCA	R CHIP	1/10 100 OHM J 2012
RC208	HRFT512JCA	R CHIP	1/10 5.1K OHM J 2012
RC212	HRFT750JCA	R CHIP	1/10 75 OHM J 2012
RC351	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012
RC359	HRFT623JCA	R CHIP	1/10 62K OHM J 2012
RC360	HRFT562JCA	R CHIP	1/10 5.6K OHM J 2012
RC361	HRFT113JCA	R CHIP	1/10 11K OHM J 2012
RC362	HRFT473JCA	R CHIP	1/10 47K OHM J 2012
RC412	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
RC502	HRFT331JCA	R CHIP	1/10 330 OHM J 2012
RC503	HRFT331JCA	R CHIP	1/10 330 OHM J 2012
RC504	HRFT824JCA	R CHIP	1/10 820K OHM J 2012
RC505	HRFT331JCA	R CHIP	1/10 330 OHM J 2012
RC508	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
RC509	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
RC510	HRFT561JCA	R CHIP	1/10 560 OHM J 2012
RC525	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
RC526	HRFT132JCA	R CHIP	1/10 1.3K OHM J 2012
RC530	HRFT561JCA	R CHIP	1/10 560 OHM J 2012
RC531	HRFT821JCA	R CHIP	1/10 820 OHM J 2012
RC533	HRFT390JCA	R CHIP	1/10 39 OHM J 2012
RC557	HRFT182JCA	R CHIP	1/10 1.8K OHM J 2012
RC559	HRFT331JCA	R CHIP	1/10 330 OHM J 2012
RC560	HRFT103JCA	R CHIP	1/10 10K OHM J 2012
RC561	HRFT561JCA	R CHIP	1/10 560 OHM J 2012
RC562	HRFT914JCA	R CHIP	1/10 910KOHM J 2012
RC565	HRFT123JCA	R CHIP	1/10 12K OHM J 2012
RC566	HRFT123JCA	R CHIP	1/10 12K OHM J 2012
RC567	HRFT103JCA	R CHIP	1/10 10K OHM J 2012
RC568	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012
RC569	HRFT152JCA	R CHIP	1/10 1.5K OHM J 2012
RC570	HRFT103JCA	R CHIP	1/10 10K OHM J 2012
RC571	HRFT272JCA	R CHIP	1/10 2.7K OHM J 2012
RC572	HRFT223JCA	R CHIP	1/10 22K OHM J 2012

z_loc	z_parts_code	parts_name	parts_descr
RC573	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
RC601	HRFT182JCA	R CHIP	1/10 1.8K OHM J 2012
RC602	HRFT182JCA	R CHIP	1/10 1.8K OHM J 2012
RC603	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
RC604	HRFT473JCA	R CHIP	1/10 47K OHM J 2012
RC605	HRFT392JCA	R CHIP	1/10 3.9K OHM J 2012
RC606	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
RC608	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
RC610	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
RC611	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
RC612	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
RC613	HRFT473JCA	R CHIP	1/10 47K OHM J 2012
RC614	HRFT473JCA	R CHIP	1/10 47K OHM J 2012
RC615	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
RC616	HRFT473JCA	R CHIP	1/10 47K OHM J 2012
RC618	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012
RC702	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012
RC703	HRFT473JCA	R CHIP	1/10 47K OHM J 2012
RC704	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
RC705	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
RC706	HRFT101JCA	R CHIP	1/10 100 OHM J 2012
RC707	HRFT101JCA	R CHIP	1/10 100 OHM J 2012
RC708	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012
RC710	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
RC711	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
RC712	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012
RC713	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
RC714	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
RC715	HRFT103JCA	R CHIP	1/10 10K OHM J 2012
RC716	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012
RC717	HRFT103JCA	R CHIP	1/10 10K OHM J 2012
RC720	HRFT101JCA	R CHIP	1/10 100 OHM J 2012
RC721	HRFT471JCA	R CHIP	1/10 470 OHM J 2012
RC722	HRFT512JCA	R CHIP	1/10 5.1K OHM J 2012
RC723	HRFT103JCA	R CHIP	1/10 10K OHM J 2012
RC725	HRFT103JCA	R CHIP	1/10 10K OHM J 2012
RC726	HRFT471JCA	R CHIP	1/10 470 OHM J 2012
RC727	HRFT103JCA	R CHIP	1/10 10K OHM J 2012
RC728	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
RC732	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
RC733	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
RC734	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
RC735	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
RC736	HRFT392JCA	R CHIP	1/10 3.9K OHM J 2012
RC737	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
RC738	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
RC739	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
RC741	HRFT103JCA	R CHIP	1/10 10K OHM J 2012
RC742	HRFT101JCA	R CHIP	1/10 100 OHM J 2012
RC743	HRFT152JCA	R CHIP	1/10 1.5K OHM J 2012
RC744	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
RC745	HRFT152JCA	R CHIP	1/10 1.5K OHM J 2012
RC746	HRFT222JCA	R CHIP	1/10 2.2K OHM J 2012

z_loc	z_parts_code	parts_name	parts_descr
RC747	HRFT392JCA	R CHIP	1/10 3.9K OHM J 2012
RC748	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
RC749	HRFT103JCA	R CHIP	1/10 10K OHM J 2012
RC755	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012
RC756	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012
RC758	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012
RC759	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012
RC767	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012
RC770	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012
RC776	HRFT103JCA	R CHIP	1/10 10K OHM J 2012
RC777	HRFT103JCA	R CHIP	1/10 10K OHM J 2012
RC781	HRFT101JCA	R CHIP	1/10 100 OHM J 2012
RC782	HRFT331JCA	R CHIP	1/10 330 OHM J 2012
RC784	HRFT514JCA	R CHIP	1/10 510K OHM J 2012
RC785	HRFT102JCA	R CHIP	1/10 1K OHM J 2012
RC790	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012
RC799	HRFT103JCA	R CHIP	1/10 10K OHM J 2012
RC801	HRFT911JCA	R CHIP	1/10 910 OHM J 2012
RC802	HRFT472JCA	R CHIP	1/10 4.7K OHM J 2012
RC803	HRFT473JCA	R CHIP	1/10 47K OHM J 2012
RCM01	HRFT105JCA	R CHIP	1/10 1M OHM J 2012
RCM04	HRFT105JCA	R CHIP	1/10 1M OHM J 2012
RCM05	HRFT103JCA	R CHIP	1/10 10K OHM J 2012
RCM07	HRFT104JCA	R CHIP	1/10 100K OHM J 2012
RCM08	HRFT103JCA	R CHIP	1/10 10K OHM J 2012
RCM09	HRFT103JCA	R CHIP	1/10 10K OHM J 2012
ZZ200	PTMPJ0J922	PCB MAIN (RHU) AS	DTQ-26S2FCC
C105	CEXF1C471V	C ELECTRO	16V RSS 470MF (10X12.5)TP
C310	CEXF1E222V	C ELECTRO	25V RSS 2200MF (16X25) TP
C401	CCXB2H472K	C CERA	500V B 4700PF K (TAPPING)
C405	CEXA2D229E	C ELECTRO	200V RUL 2.2MF (10X16) TP
C414	CEXF1V471V	C ELECTRO	35V RSS 470MF (10X20) TP
C415	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X20) TP
C419	CEXF2E220V	C ELECTRO	250V RSS 22MF (13X20) TP
C504	CEXF1C471V	C ELECTRO	16V RSS 470MF (10X12.5)TP
C514	CEXF1C471V	C ELECTRO	16V RSS 470MF (10X12.5)TP
C602	CEXF1C471V	C ELECTRO	16V RSS 470MF (10X12.5)TP
C605	CEXF1C471V	C ELECTRO	16V RSS 470MF (10X12.5)TP
C608	CEXF1C471V	C ELECTRO	16V RSS 470MF (10X12.5)TP
C812	CEXF1E222V	C ELECTRO	25V RSS 2200MF (16X25) TP
C813	CBXB3D471K	C CERA SEMI	2KV BL(N) 470PF K (T)
C815	CEXF2A470V	C ELECTRO	100V RSS 47MF (10X16) TP
C823	CCXB3D681K	C CERA	2KV B 680PF K (TAPPING)
C824	CEXE2C100H	C ELECTRO	160V RUR 10MF (13X25) TP
C826	CEXF1E222V	C ELECTRO	25V RSS 2200MF (16X25) TP
ZZ200	PTMPJBJ922	PCB MAIN M-10 AS	DTQ-26S2FCC
10	2TM18006BE	TAPE MASKING	6.2X500
E002	4856310600	EYE LET	BSR T0.2 (R2.3)
E003	4856310600	EYE LET	BSR T0.2 (R2.3)
E006	4856310600	EYE LET	BSR T0.2 (R2.3)
E009	4856310600	EYE LET	BSR T0.2 (R2.3)
E010	4856310600	EYE LET	BSR T0.2 (R2.3)
E011	4856310600	EYE LET	BSR T0.2 (R2.3)

SERVICE PARTS LIST

z_loc	z_parts_code	parts_name	parts_descr
E012	4856310600	EYE LET	BSR T0.2 (R2.3)
E013	4856310600	EYE LET	BSR T0.2 (R2.3)
E014	4856310600	EYE LET	BSR T0.2 (R2.3)
E015	4856310600	EYE LET	BSR T0.2 (R2.3)
E016	4856310600	EYE LET	BSR T0.2 (R2.3)
E017	4856310600	EYE LET	BSR T0.2 (R2.3)
E018	4856310600	EYE LET	BSR T0.2 (R2.3)
E019	4856310600	EYE LET	BSR T0.2 (R2.3)
E020	4856310600	EYE LET	BSR T0.2 (R2.3)
E021	4856310600	EYE LET	BSR T0.2 (R2.3)
E022	4856310600	EYE LET	BSR T0.2 (R2.3)
E023	4856310600	EYE LET	BSR T0.2 (R2.3)
E025	4856310300	EYE LET	BSR T0.2 (R1.6)
E026	4856310300	EYE LET	BSR T0.2 (R1.6)
E029	4856310300	EYE LET	BSR T0.2 (R1.6)
E030	4856310300	EYE LET	BSR T0.2 (R1.6)
E032	4856310300	EYE LET	BSR T0.2 (R1.6)
E033	4856310300	EYE LET	BSR T0.2 (R1.6)
E034	4856310300	EYE LET	BSR T0.2 (R1.6)
E035	4856310300	EYE LET	BSR T0.2 (R1.6)
E036	4856310300	EYE LET	BSR T0.2 (R1.6)
E037	4856310300	EYE LET	BSR T0.2 (R1.6)
E039	4856310300	EYE LET	BSR T0.2 (R1.6)
E040	4856310300	EYE LET	BSR T0.2 (R1.6)
E043	4856310300	EYE LET	BSR T0.2 (R1.6)
E058	4856310300	EYE LET	BSR T0.2 (R1.6)
E060	4856310300	EYE LET	BSR T0.2 (R1.6)
E061	4856310300	EYE LET	BSR T0.2 (R1.6)
E062	4856310300	EYE LET	BSR T0.2 (R1.6)
E063	4856310300	EYE LET	BSR T0.2 (R1.6)
E064	4856310300	EYE LET	BSR T0.2 (R1.6)
E065	4856310300	EYE LET	BSR T0.2 (R1.6)
E068	4856310600	EYE LET	BSR T0.2 (R2.3)
E069	4856310600	EYE LET	BSR T0.2 (R2.3)
P401A	4857417500	TERM PIN	DA-IB0214(D2.3/DY PIN)
P401B	4857417500	TERM PIN	DA-IB0214(D2.3/DY PIN)
P401C	4857417500	TERM PIN	DA-IB0214(D2.3/DY PIN)
P401D	4857417500	TERM PIN	DA-IB0214(D2.3/DY PIN)
P501A	485923512S	CONN WAFER	YW025-08 (STICK)
P601	485923172S	CONN WAFER	YW025-04 (STICK)
P801A	4857417500	TERM PIN	DA-IB0214(D2.3/DY PIN)
P801B	4857417500	TERM PIN	DA-IB0214(D2.3/DY PIN)
R104	RS01Z472J-	R M-OXIDE FILM	1W 4.7K OHM J (TAPPING)
R401	RF01Z229J-	R FUSIBLE	1W 2.2 OHM J (TAPPING)
R404	RS01Z249J-	R M-OXIDE FILM	1W 2.4 OHM J (TAPPING)
R814	RF01Z398K-	R FUSIBLE	1W 0.39 OHM K (TAPPING)
ZZ200	PTMPJRJ922	PCB MAIN RADIAL AS	DTQ-26S2FCC
C101	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
C102	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11) TP
C103	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP
C104	CMXM2A333J	C MYLAR	100V 0.033MF J (TP)
C106	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP
C107	CEXF1H228V	C ELECTRO	50V RSS 0.22MF (5X11) TP

z_loc	z_parts_code	parts_name	parts_descr
C202	CEXD1H479F	C ELECTRO	50V RND 4.7MF (6.3X11) TP
C203	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP
C204	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP
C205	CEXF1E221V	C ELECTRO	25V RSS 220MF (8X11.5) TP
C301	CMXM2A103J	C MYLAR	100V 0.01MF J (TP)
C302	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP
C303	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
C304	CMXM2A224J	C MYLAR	100V 0.22MF J
C305	CEXF1H101V	C ELECTRO	50V RSS 100MF (8X11.5) TP
C307	CXSL2H100D	C CERA	500V SL 10PF D (TAPPING)
C308	CMXM2A473J	C MYLAR	100V 0.047MF J (TP)
C309	CEXD1H109Q	C ELECTRO	50V RT 1MF (6.3X11) TP
C311	CEXD1H109Q	C ELECTRO	50V RT 1MF (6.3X11) TP
C402	CEXF1C221V	C ELECTRO	16V RSS 220MF (8X11.5) TP
C403	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP
C408	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP
C409	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11) TP
C411	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP
C412	CCXB2H102K	C CERA	500V B 1000PF K (TAPPING)
C413	CCXB2H102K	C CERA	500V B 1000PF K (TAPPING)
C416	CCXB2H102K	C CERA	500V B 1000PF K (TAPPING)
C417	CCXB2H102K	C CERA	500V B 1000PF K (TAPPING)
C418	CMXM2A104J	C MYLAR	100V 0.1MF J (TP)
C501	CMXL1J105J	C MYLAR	63V MEU 1MF J
C502	CEXF1C221V	C ELECTRO	16V RSS 220MF (8X11.5) TP
C503	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP
C505	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
C506	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP
C507	CMXM2A224J	C MYLAR	100V 0.22MF J
C508	CMXM2A224J	C MYLAR	100V 0.22MF J
C509	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP
C511	CMXM2A333J	C MYLAR	100V 0.033MF J (TP)
C512	CEXF1H108V	C ELECTRO	50V RSS 0.1MF (5X11) TP
C513	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP
C515	CEXF1H478V	C ELECTRO	50V RSS 0.47MF (5X11) TP
C516	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP
C517	CMXM2A473J	C MYLAR	100V 0.047MF J (TP)
C518	CEXF1H478V	C ELECTRO	50V RSS 0.47MF (5X11) TP
C555	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP
C603	CEXF1H108V	C ELECTRO	50V RSS 0.1MF (5X11) TP
C604	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP
C606	CEXF1H108V	C ELECTRO	50V RSS 0.1MF (5X11) TP
C607	CEXF1H101V	C ELECTRO	50V RSS 100MF (8X11.5) TP
C609	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP
C610	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP
C611	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP
C612	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP
C613	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
C614	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
C615	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP
C616	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
C618	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
C619	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP

z_loc	z_parts_code	parts_name	parts_descr
C620	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
C621	CEXF1H339V	C ELECTRO	50V RSS 3.3MF (5X11) TP
C622	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
C623	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP
C624	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP
C626	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP
C701	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP
C703	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP
C704	CEXF1H229V	C ELECTRO	50V RSS 2.2MF (5X11) TP
C705	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP
C709	CEXF1C221V	C ELECTRO	16V RSS 220MF (8X11.5) TP
C802	CCXB2H222K	C CERA	500V B 2200PF K (TAPPING)
C803	CCXB2H222K	C CERA	500V B 2200PF K (TAPPING)
C806	CEXF1H470C	C ELECTRO	50V RUS 47MF (6.3X11) TP
C810	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP
C811	CCXB3A471K	C CERA	1KV B 470PF K (T)
C816	CCXB3A471K	C CERA	1KV B 470PF K (T)
C818	CEXF1H220C	C ELECTRO	50V RUS 22MF (5X11) TP
C819	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP
C822	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11) TP
C825	CCXB3A471K	C CERA	1KV B 470PF K (T)
C832	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP
CM900	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11) TP
CM901	CCXB1H221K	C CERA	50V B 220PF K (TAPPING)
CM902	CCXB1H221K	C CERA	50V B 220PF K (TAPPING)
CM903	CCXB1H221K	C CERA	50V B 220PF K (TAPPING)
CM904	CCXB1H221K	C CERA	50V B 220PF K (TAPPING)
F801A	4857415001	CLIP FUSE	PFC5000-0702
F801B	4857415001	CLIP FUSE	PFC5000-0702
L605	58CX430599	COIL CHOKE	AZ-9004Y 940K TP
L805	58CX430599	COIL CHOKE	AZ-9004Y 940K TP
Q403	TKTC3198Y-	TR	KTC3198Y
Q601	TKTC3198Y-	TR	KTC3198Y
Q701	TKTC3198Y-	TR	KTC3198Y
Q702	TKTC3198Y-	TR	KTC3198Y
Q703	TKTC3198Y-	TR	KTC3198Y
Q704	TKSA733CY-	TR	KSA733CY (TP)
Q801	TKTC3198Y-	TR	KTC3198Y
Q805	TKTC3205Y-	TR	KTC3205Y (TP)
QM900	TKTC3198Y-	TR	KTC3198Y
QM901	TKTC3198Y-	TR	KTC3198Y
QM902	TKTC3198Y-	TR	KTC3198Y
QM903	TKTC3198Y-	TR	KTC3198Y
R301	RN02B202JS	R METAL FILM	2W 2K OHM J SMALL
R302	RN01B331JS	R METAL FILM	1W 330 OHM J SMALL
R303	RN01B109JS	R METAL FILM	1W 1 OHM J SMALL
R304	RN01B109JS	R METAL FILM	1W 1 OHM J SMALL
R305	RN02B271JS	R METAL FILM	2W 270 OHM J SMALL
R402	RN02B102JS	R METAL FILM	2W 1K OHM J SMALL
R403	RN02B103JS	R METAL FILM	2W 10K OHM J SMALL
R405	RN02B181JS	R METAL FILM	2W 180 OHM J SMALL
R407	RN02B229JS	R METAL FILM	2W 2.2 OHM J SMALL
R408	RN02B229JS	R METAL FILM	2W 2.2 OHM J SMALL

z_loc	z_parts_code	parts_name	parts_descr
R419	RN02B101JS	R METAL FILM	2W 100 OHM J SMALL
R420	RN02B620JS	R METAL FILM	2W 62 OHM J SMALL
R501	RN02B151JS	R METAL FILM	2W 150 OHM J SMALL
R604	RN01B750JS	R METAL FILM	1W 75 OHM J SMALL
R605	RN01B121JS	R METAL FILM	1W 120 OHM J SMALL
R802	RN02B273JS	R METAL FILM	2W 27K OHM J SMALL
R809	RN01B121JS	R METAL FILM	1W 120 OHM J SMALL
R812	RN01B301JS	R METAL FILM	1W 300 OHM J SMALL
SW701	5S50101090	SW TACT	THVH472GCA
SW702	5S50101090	SW TACT	THVH472GCA
SW703	5S50101090	SW TACT	THVH472GCA
SW704	5S50101090	SW TACT	THVH472GCA
SW705	5S50101090	SW TACT	THVH472GCA
SW706	5S50101090	SW TACT	THVH472GCA
X501	5XEX3R579C	CRYSTAL QUARTZ	HC-49U 3.579545M (TP)
ZZ200	PTMPJAJ922	PCB MAIN AXIAL AS	DTQ-26S2FCC
10	2TM14006LB	TAPE MASKING	3M #232 6.0X2000M
20	2TM10006LB	TAPE MASKING	3M #232-MAP-C 6.2X2000M
A001	4859815392	PCB MAIN	246X246 SIB
D101	DUZ33B----	DIODE ZENER	UZ-33B
D102	DUZ5R6BM--	DIODE ZENER	UZ-5.6BM
D201	DUZ9R1BM--	DIODE ZENER	UZ-9.1BM
D202	DUZ9R1BM--	DIODE ZENER	UZ-9.1BM
D301	D1N4004S--	DIODE	1N4004S
D401	DRGP15J---	DIODE	RGP15J
D405	D1N4937G--	DIODE	1N4937G (TAPPING)
D406	D1N4937G--	DIODE	1N4937G (TAPPING)
D407	DRGP15J---	DIODE	RGP15J
D408	DRGP15J---	DIODE	RGP15J
D409	D1N4148---	DIODE	1N4148 (TAPPING)
D501	D1N4148---	DIODE	1N4148 (TAPPING)
D502	D1N4148---	DIODE	1N4148 (TAPPING)
D503	DUZ9R1BM--	DIODE ZENER	UZ-9.1BM
D504	D1N4148---	DIODE	1N4148 (TAPPING)
D505	DUZ9R1BM--	DIODE ZENER	UZ-9.1BM
D506	DUZ7R5BM--	DIODE ZENER	UZ-7.5BM
D601	DUZ9R1BM--	DIODE ZENER	UZ-9.1BM
D602	DUZ9R1BM--	DIODE ZENER	UZ-9.1BM
D603	DUZ9R1BM--	DIODE ZENER	UZ-9.1BM
D604	DUZ9R1BM--	DIODE ZENER	UZ-9.1BM
D607	DUZ8R2BM--	DIODE ZENER	UZ-8.2BM
D608	DUZ5R6BM--	DIODE ZENER	UZ-5.6BM
D609	DUZ5R6BM--	DIODE ZENER	UZ-5.6BM
D610	DUZ5R6BM--	DIODE ZENER	UZ-5.6BM
D702	D1N4148---	DIODE	1N4148 (TAPPING)
D705	D1N4148---	DIODE	1N4148 (TAPPING)
D706	DUZ3R9B---	DIODE ZENER	UZ-3.9B
D805	DRGP15J---	DIODE	RGP15J
D806	DRGP15J---	DIODE	RGP15J
D808	DRGP15J---	DIODE	RGP15J
D810	DRGP15J---	DIODE	RGP15J
D812	DRGP15J---	DIODE	RGP15J
D822	DUZ5R6BM--	DIODE ZENER	UZ-5.6BM

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z_loc	z_parts_code	parts_name	parts_descr
D826	D1N4004S--	DIODE	1N4004S
DM901	D1N4148---	DIODE	1N4148 (TAPPING)
DM902	D1N4148---	DIODE	1N4148 (TAPPING)
DM903	D1N4148---	DIODE	1N4148 (TAPPING)
DM904	D1N4148---	DIODE	1N4148 (TAPPING)
J001	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J002	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J003	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J004	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J005	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J006	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J007	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J008	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J011	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J012	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J013	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J014	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J015	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J016	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J017	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J018	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J019	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J020	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J021	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J022	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J023	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J024	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J028	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J029	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J031	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J033	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J034	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J035	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J037	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J039	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J040	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J042	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J043	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J044	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J045	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J046	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J047	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J048	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J049	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J050	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J051	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J052	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J053	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J054	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J056	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J057	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J058	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J059	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING

z_loc	z_parts_code	parts_name	parts_descr
J062	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J063	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J064	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J065	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J066	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J067	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J068	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J070	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J071	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J073	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J074	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J075	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J076	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J077	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J078	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J079	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J080	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J081	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J082	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J083	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J084	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J086	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J087	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J089	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J092	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J093	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J095	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J096	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J097	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J098	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J099	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J100	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J101	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J102	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J103	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J105	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J106	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J107	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J108	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J109	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J110	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J111	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J113	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J116	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J120	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J121	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J122	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J123	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J125	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
J126	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
L112	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5MM)
L402	58C0000026	COIL BEAD	HC-4035
L502	5CPZ100K04	COIL PEAKING	10UH 10.5MM K (LAL04TB)

z_loc	z_parts_code	parts_name	parts_descr
L533	5CPZ150K02	COIL PEAKING	15UH K (AXIAL 3.5MM)
L601	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5MM)
L602	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5MM)
L603	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5MM)
L604	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5MM)
L606	5CPZ150K02	COIL PEAKING	15UH K (AXIAL 3.5MM)
L701	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5MM)
L704	5CPZ100K02	COIL PEAKING	10UH K (AXIAL 3.5MM)
L802	5MC0000100	COIL BEAD	HC-3550
L803	5MC0000100	COIL BEAD	HC-3550
L804	5MC0000100	COIL BEAD	HC-3550
L806	5MC0000100	COIL BEAD	HC-3550
R165	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J
R201	RD-4Z750J-	R CARBON FILM	1/4 75 OHM J
R306	RD-4Z134J-	R CARBON FILM	1/4 130K OHM J
R307	RD-4Z153J-	R CARBON FILM	1/4 15K OHM J
R409	RD-4Z103J-	R CARBON FILM	1/4 10K OHM J
R410	RD-4Z133J-	R CARBON FILM	1/4 13K OHM J
R411	RD-4Z202J-	R CARBON FILM	1/4 2K OHM J
R414	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
R432	RD-4Z220J-	R CARBON FILM	1/4 22 OHM J
R502	RD-2Z151J-	R CARBON FILM	1/2 150 OHM J
R503	RD-4Z151J-	R CARBON FILM	1/4 150 OHM J
R504	RD-4Z622J-	R CARBON FILM	1/4 6.2K OHM J
R554	RD-4Z102J-	R CARBON FILM	1/4 1K OHM J
R601	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R602	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R603	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R607	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R701	RD-4Z240J-	R CARBON FILM	1/4 24 OHM J
R702	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J
R803	RC-2Z565KP	R CARBON COMP	1/2 5.6M OHM K
R804	RC-2Z105KP	R CARBON COMP	1/2 1M OHM K
R813	RD-4Z363J-	R CARBON FILM	1/4 36K OHM J
R815	RD-4Z223J-	R CARBON FILM	1/4 22K OHM J
R825	RD-4Z223J-	R CARBON FILM	1/4 22K OHM J
R828	RD-4Z561J-	R CARBON FILM	1/4 560 OHM J
RM601	RD-2Z150J-	R CARBON FILM	1/2 15 OHM J
RM602	RD-2Z150J-	R CARBON FILM	1/2 15 OHM J
RM902	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
RM903	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J
RM906	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
RM910	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J
ZZ300	PTCPMSJ922	PCB CRT MANUAL AS	DTQ-26S2FCC
30	2291050616	FLUX SOLDER	JS-64T3
40	2291050301	FLUX SOLVENT	IM-1000
C904	CH1BEE472M	C CERA AC	U/C/V 2.5KV 4700PF TP
P501B	4850708S01	CONNECTOR	YH025-08+YST025+ULW=400
Q901	PTL2SW6900	HEAT SINK ASS`Y	TKTC3229-- + 7174301011
00001	TKTC3229--	TR	KTC3229
0000A	4857026900	HEAT SINK	AL EX
0000B	7174301011	SCREW TAPPTITE	TT2 RND 3X10 MFZN
Q902	PTL2SW6900	HEAT SINK ASS`Y	TKTC3229-- + 7174301011

z_loc	z_parts_code	parts_name	parts_descr
00001	TKTC3229--	TR	KTC3229
0000A	4857026900	HEAT SINK	AL EX
0000B	7174301011	SCREW TAPPTITE	TT2 RND 3X10 MFZN
Q903	PTL2SW6900	HEAT SINK ASS`Y	TKTC3229-- + 7174301011
00001	TKTC3229--	TR	KTC3229
0000A	4857026900	HEAT SINK	AL EX
0000B	7174301011	SCREW TAPPTITE	TT2 RND 3X10 MFZN
SCT1	4859303830	SOCKET CRT	ISHG94S
ZZ200	PTCPJBJ922	PCB CRT M-10 AS	DTQ-26S2FCC
R918	RS02Z243JS	R M-OXIDE FILM	2W 24K OHM J SMALL
R919	RS02Z243JS	R M-OXIDE FILM	2W 24K OHM J SMALL
R920	RS02Z243JS	R M-OXIDE FILM	2W 24K OHM J SMALL
R921	RS02Z243JS	R M-OXIDE FILM	2W 24K OHM J SMALL
R922	RS02Z243JS	R M-OXIDE FILM	2W 24K OHM J SMALL
R923	RS02Z243JS	R M-OXIDE FILM	2W 24K OHM J SMALL
ZZ200	PTCPJRJ922	PCB CRT RADIAL AS	DTQ-26S2FCC
L901	5CPX181J--	COIL PEAKING	180UH J (RADIAL)
Q904	TKTC3198Y-	TR	KTC3198Y
Q905	TKTC3198Y-	TR	KTC3198Y
Q906	TKTC3198Y-	TR	KTC3198Y
Q907	TKTA1266Y-	TR	KTA1266Y (TP)
ZZ200	PTCPJAJ922	PCB CRT AXIAL AS	DTQ-26S2FCC
10	2TM14006LB	TAPE MASKING	3M #232 6.0X2000M
20	2TM10006LB	TAPE MASKING	3M #232-MAP-C 6.2X2000M
A001	4859828613	PCB CRT	123X57(246X246/2X8)
C901	CCZB1H271K	C CERA	50V B 270PF K
C902	CCZB1H271K	C CERA	50V B 270PF K
C903	CCZB1H271K	C CERA	50V B 270PF K
R901	RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R902	RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R903	RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R904	RD-AZ121J-	R CARBON FILM	1/6 120 OHM J
R905	RD-AZ121J-	R CARBON FILM	1/6 120 OHM J
R906	RD-AZ121J-	R CARBON FILM	1/6 120 OHM J
R907	RD-AZ151J-	R CARBON FILM	1/6 150 OHM J
R908	RD-AZ151J-	R CARBON FILM	1/6 150 OHM J
R909	RD-AZ151J-	R CARBON FILM	1/6 150 OHM J
R910	RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R911	RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R912	RD-AZ471J-	R CARBON FILM	1/6 470 OHM J
R913	RD-AZ561J-	R CARBON FILM	1/6 560 OHM J
R914	RD-AZ133J-	R CARBON FILM	1/6 13K OHM J
R915	RD-AZ221J-	R CARBON FILM	1/6 220 OHM J
R917	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING
R924	RD-2Z272J-	R CARBON FILM	1/2 2.7K OHM J
R925	RD-2Z272J-	R CARBON FILM	1/2 2.7K OHM J
R926	RD-2Z272J-	R CARBON FILM	1/2 2.7K OHM J

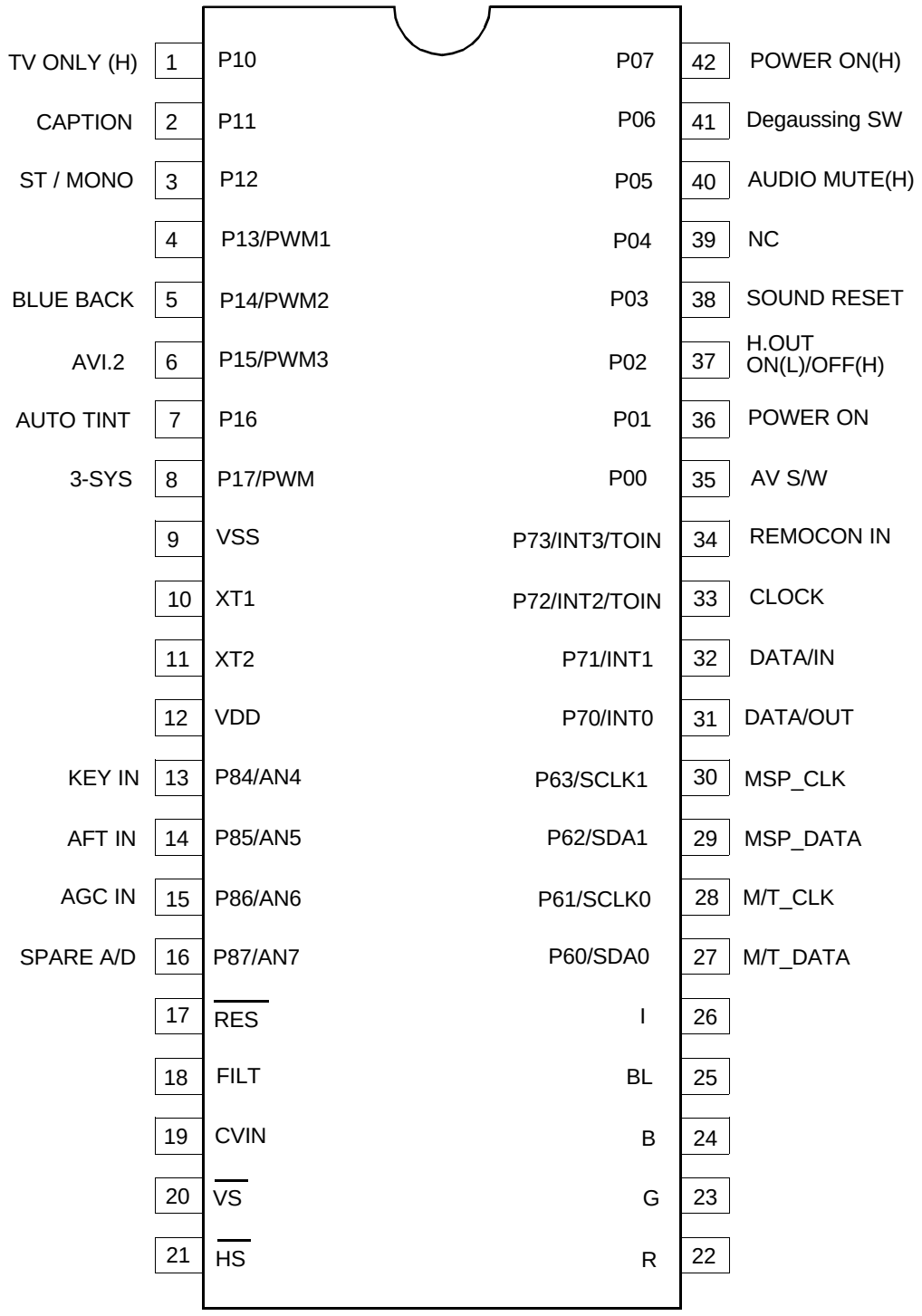
SERVICE PARTS LIST

1. DIFFERENT PARTS LIST

loc	parts_code	parts_name	parts_desc	DTQ-26S2FCC	DTQ-29S2FCC
L401	58H0000056	COIL H-LINEARITY	TRL-250D	1	0
L401	58H0000025	COIL H-LINEARITY	TRL-330	0	1
R404	RS01Z249J-	R M-OXIDE FILM	1W 2.4 OHM J (TAPPING)	1	0
R404	RF01Z398K-	R FUSIBLE	1W 0.39 OHM K (TAPPING)	0	1
R410	RD-4Z133J-	R CARBON FILM	1/4 13K OHM J	1	0
R410	RN-4Z1602F	R METAL FILM	1/4 16.0K OHM F	0	1
R504	RD-4Z622J-	R CARBON FILM	1/4 6.2K OHM J	1	0
R504	RD-4Z562J-	R CARBON FILM	1/4 5.6K OHM J	0	1
R917	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	0.05	0
R917	RS01Z189J-	R M-OXIDE FILM	1W 1.8 OHM J (TAPPING)	0	1
RC562	HRFT914JCA	R CHIP	1/10 910KOHM J 2012	1	0
RC562	HRFT684JCA	R CHIP	1/10 680K OHM J 2012	0	1
SP01A	7178301011	SCREW TAPPTITE	TT2 WAS 3X10 MFZN	4	0
SP01A	7178301212	SCREW TAPPTITE	TT2 WAS 3X12 MFZN BK	0	4
SP01B	7178301011	SCREW TAPPTITE	TT2 WAS 3X10 MFZN	4	0
SP01B	7178301212	SCREW TAPPTITE	TT2 WAS 3X12 MFZN BK	0	4
V901	4859625060	CRT	A63ADT15X08	1	0
V901	4859617760	CRT	A68ADT25X01	0	1
ZZ120	PTBCSHJ922	COVER BACK AS	DTQ-26S2FCC	1	0
ZZ120	PTBCSHJ926	COVER BACK AS	DTQ-29S2FCC	0	1
ZZ130	PTPKCPJ922	PACKING AS	DTQ-26S2FCC	1	0
ZZ130	PTPKCPJ926	PACKING AS	DTQ-29S2FCC	0	1
ZZ131	48519A6110	CRT GROUND AS	GND LINE IEA 26	1	0
ZZ131	58G0000143	COIL DEGAUSSING	DC-29S1	0	1
ZZ132	58G0000142	COIL DEGAUSSING	DC-25S1	1	0
ZZ132	48519A6210	CRT GROUND AS	GND LINE IEA 29	0	1

IC DESCRIPTION

U-COM(I701)



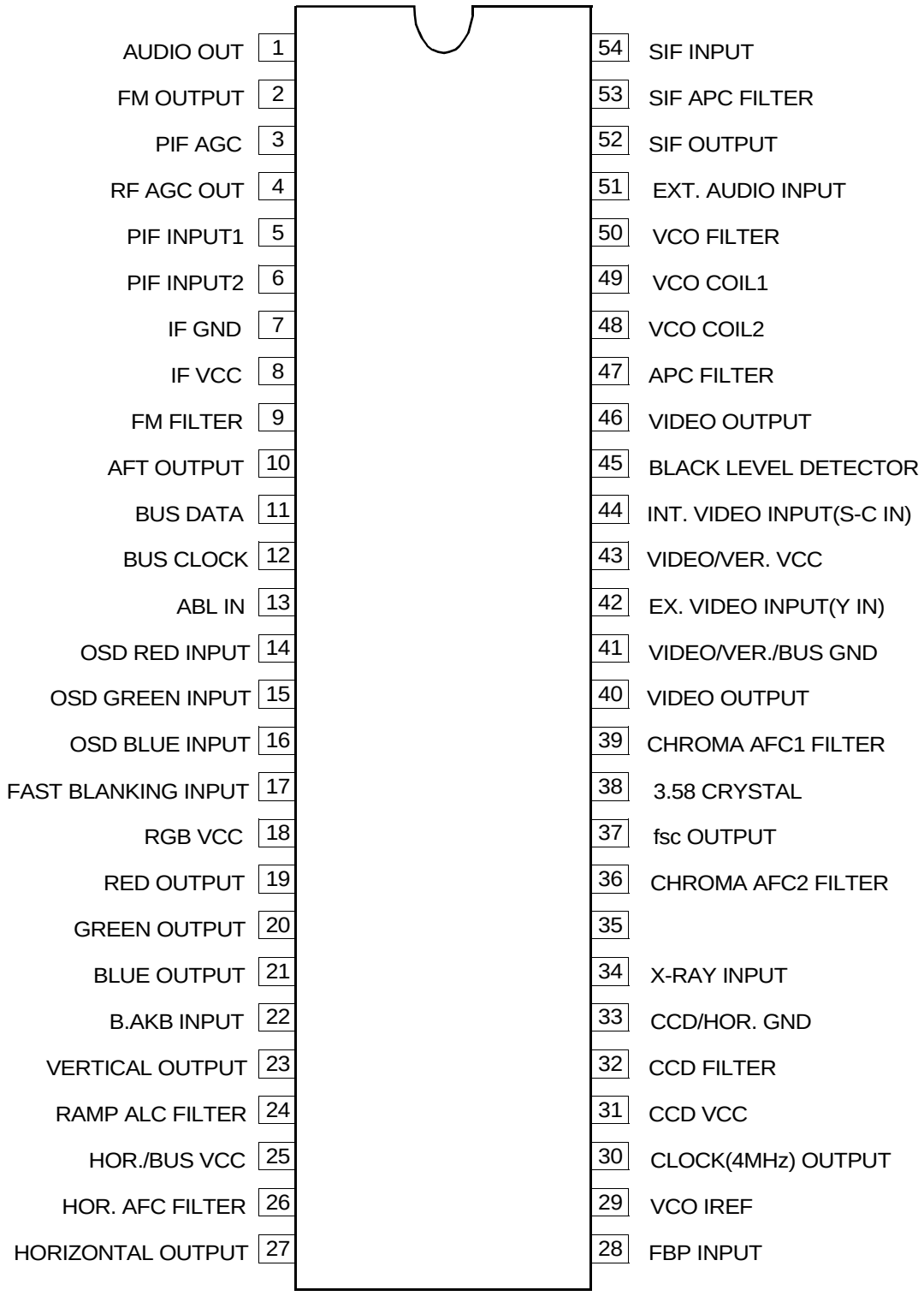
- X'TAL : 32.768 KHz

IC DESCRIPTION

NO	PIN	PIN NAME	DESCRIPTION(LEVEL)
1	1	TV Only(H)	GND
2	2	CAPTION	+5V
3	3	ST/MONO	+5V
4	4	GND	GND
5	5	BLUE BACK	+5V
6	6	“ AV 1, 2 ”	+5V
7	7	AUTO TINT	+5V
8	8	3-SYS	GND
9	9	Vss	GND
10	10	XT1	32.768KHz
11	11	XT2	32.768KHz
12	12	Vdd	+5V
13	13	KEY IN	SW701~6
14	14	AFT IN	I101 #10
15	15	AGC IN	“ U101, I101 #4 ”
16	16	D-SENSOR	NC
17	17	RESET	“ RESET ACTIVE ””L ””””
18	18	FILTER	FILTER
19	19	CVSB IN	I101 #40
20	20	VS	I301 #7
21	21	HS	I101 #28
22	22	R	I101 #14
23	23	G	I101 #15
24	24	B	I101 #16
25	25	BL	I101 #17
26	26	H-T	NC
27	27	M/T_DATA	“ U101, I101 #11, I703 #5 ”
28	28	M/T_CLK	“ U101, I101 #12, I703 #6 ”
29	29	MSP_DATA	I603 #8
30	30	MSP_CLK	I603 #7
31	31	D-OUT	P603 (to M.T.I MODULE)
32	32	D-IN	P603 (from M.T.I MODULE)
33	33	CLOCK	P603 (to M.T.I MODULE)
34	34	Remocon IN	“ IR01, P603 (to M.T.I MODULE) ”
35	35	AV S/W	IV01 #5
36	36	Power ON	+5V
37	37	H.OUT(on/off)	Q403 BASE(TO 2SD2578)
38	38	MSP RESET	“ I603 #20 ACTIVE“ ”L ””””
39	39	Timer LED	NC
40	40	AUDIO MUTE	“ I601 #3, I602 #3 ”
41	41	Degaussing S/W	“ Q801 BASE(TO RELAY) Degaussing: ””H ””””
42	42	POWER ON(H)	I804 #10

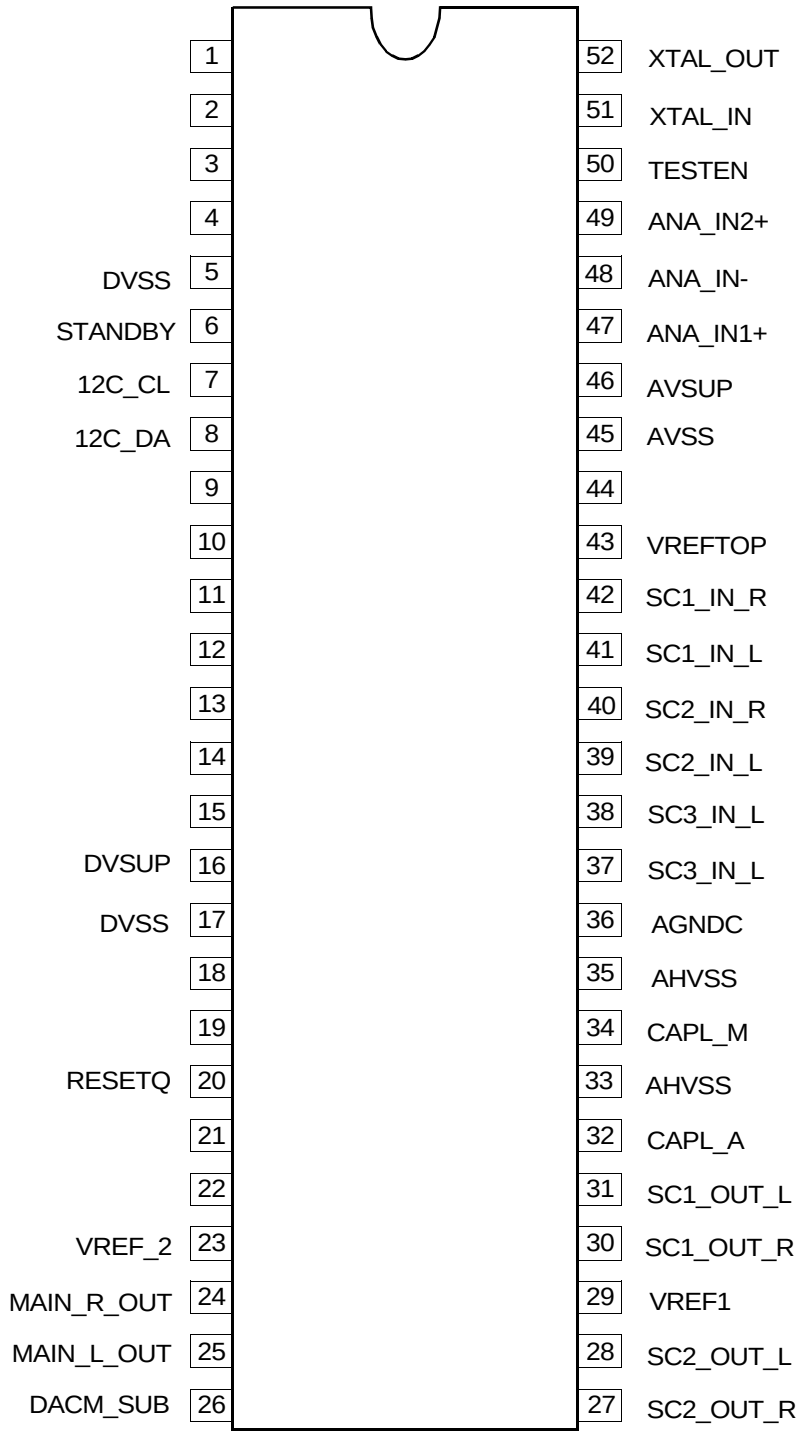
I101

DCT814B : IC VIDEO PROCESSOR



I603

MSP3420G : SOUND PROCESSOR



PIN CONNECTIONS AND SHORT DESCRIPTIONS

NC not connected; leave vacant

LV if not used, leave vacant

OBL obligatory; connect as described in circuit diagram

DVSS: if not used, connect to DVSS

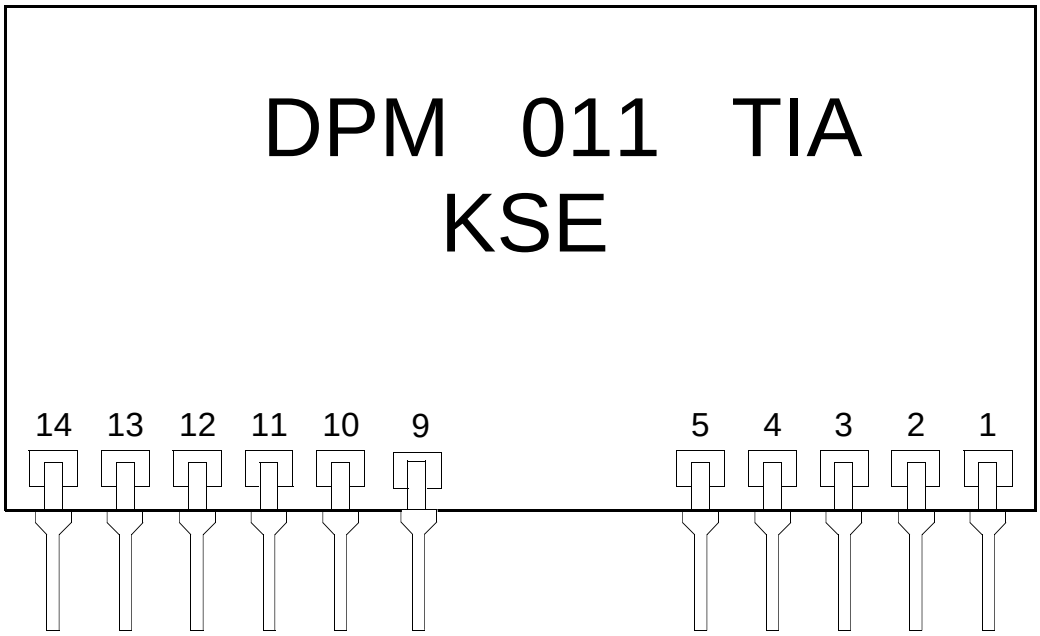
AHVSS: connect to AHVSS

PIN NO. PSDIP 52-PIN	PIN NAME	TYPE	CONNECTION (if not used)	SHORT DESCRIPTION
1	TP		LV	TEST PIN
2	AUD_CL_OUT	OUT	LV	AUDIO CLOCK OUT PUT(18.432MHz)
3	D_CTR_I/O_1	IN/OUT	LV	D_CTR_I/O_1
4	D_CTR_I/O_0	IN	LV	D_CTR_I/O_0
5	ADR_SEL	IN	OBL	I2C BUS ADDRESS SELECT
6	STANDBYQ	IN	OBL	STAND-BY(LOW-ACTIVE)
7	12C_CL	IN/OUT	OBL	I2C CLOCK
8	12C_DA	IN/OUT	OBL	I2C DATA
9	12S_CL	IN/OUT	LV	I2S CLOCK
10	12S_WS	IN/OUT	LV	I2S WORD STROBE
11	12S_DA_OUT	OUT	LV	I2S1 DATA OUTPUT
12	12S_DA_IN1	IN	LV	I2S1 DATA INPUT
13	ADR_DA	OUT	LV	ADR data output
14	ADR_WS	OUT	LV	ADR word strobe
15	ADR_CL	OUT	LV	ADR clock
16	DVSUP		OBL	Digital ground
17	DVSS		OBL	Digital ground
18	I2S_DA_IN2	IN	LV	I2S2-data input
19	NC		LV	NOT connected
20	RESETQ	IN	OBL	Power-on-reset
21	DACA_R	OUT	LV	"Headphone out, right"
22	DACA_L	OUT	LV	"Headphone out, left"
23	VREF2		OBL	Reference ground 2
24	DACM_R	OUT	LV	"Loudspeaker out, right"
25	DACM_L	OUT	LV	"Loudspeaker out, left"
26	DACM_SUB	OUT	LV	Subwoofer output
27	SC2_OUT_R	OUT	LV	"SCART output 2, right"
28	SC2_OUT_L	OUT	LV	"SCART output 2, left"
29	VREF1		OBL	Reference ground 1
30	SC1_OUT_R	OUT	LV	"SCART output1, right"
31	SC1_OUT_L	OUT	LV	"SCART output1, left"

PIN NO. PSDIP 52-PIN	PIN NAME	TYPE	CONNECTION (if not used)	SHORT DESCRIPTION
32	CAPL_A		OBL	Volume capacitor AUX
33	AHVSUP		OBL	Analog power supply 8V
34	CAPL_M		OBL	Volume capacitor MAIN
35	AHVSS		OBL	Analog ground
36	AGNDC		OBL	Analog reference voltage
37	SC3_IN_L	IN	LV	"SCART3 input, left"
38	SC3_IN_R	IN	LV	"SCART3 input, right"
39	SC2_IN_L	IN	LV	"SCART2 input , left"
40	SC2_IN_R	IN	LV	"SCART2 input, right"
41	SC1_IN_L	IN	LV	"SCART1 input, left"
42	SC1_IN_R	IN	LV	"SCART1 input, right"
43	VREFTOP		OBL	Reference voltage IF A/D converter
44	MONO_IN	IN	LV	Mono input
45	AVSS		OBL	Analog ground
46	AVSUP		OBL	Analog power supply 5V
47	ANA_IN+	IN	LV	IF input
48	ANA_IN-	IN	AVSS VIA 56pF/LV	"IF common(can be left vacant, only if IF input 1 is also not in use)"
49	ANA_IN2+	IN	AVSS VIA 56pF/LV	"IF input2(can be left vacant, only if IF input 1 is also not not in use)"
50	TESTEN	IN	OBL	TEST PIN
51	XTAL_IN	IN	OBL	CRYSTAL OSCILLATOR
52	XTAL_OUT	OUT	OBL	CRYSTAL OSCILLATOR

I804

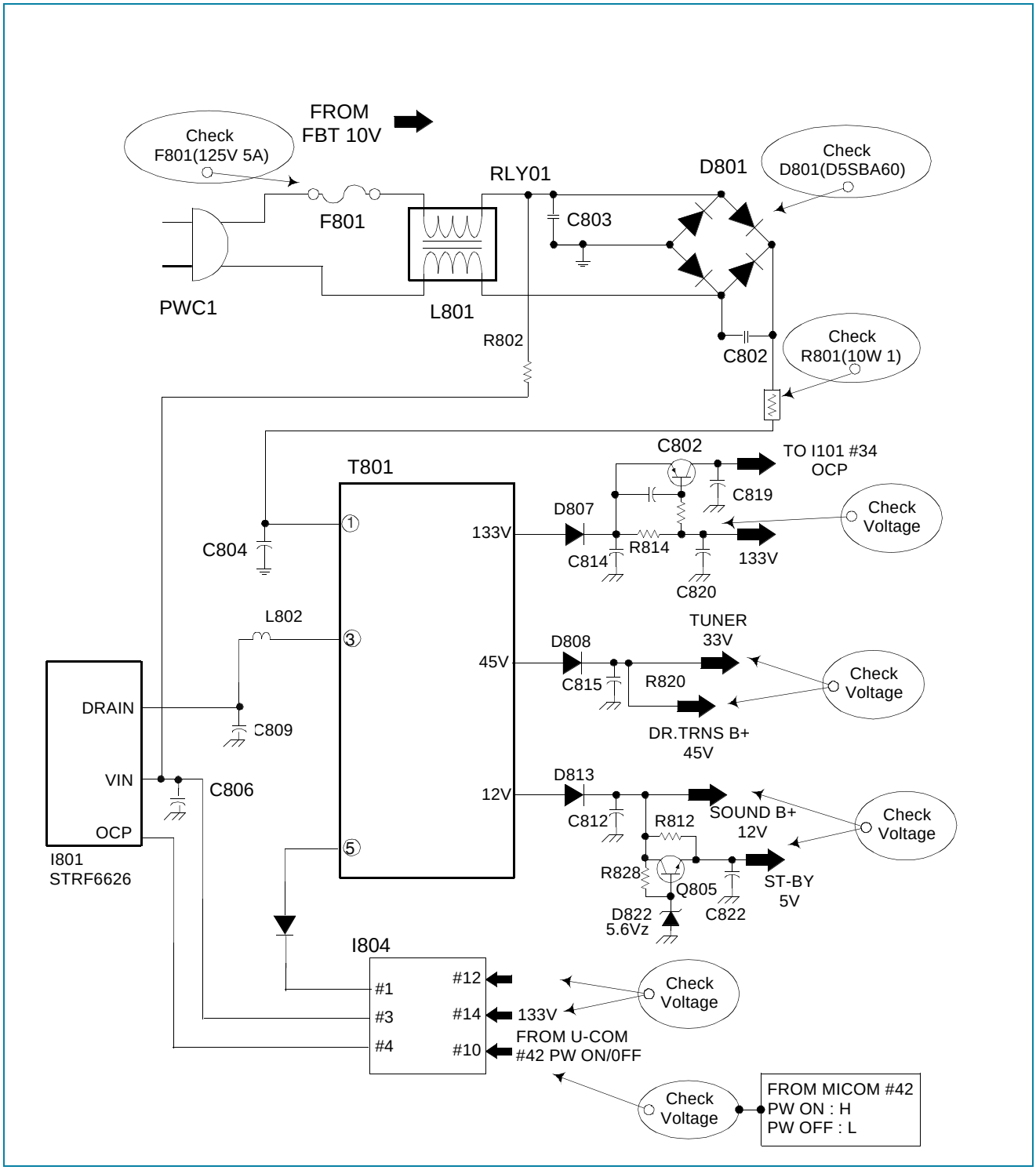
POWER CONTROL MODULE



PIN NO	DESCRIPTION	PIN NO	DESCRIPTION
1	ST-BY VCC	10	POWER ON
2	DELAY	11	ON/OFF
3	VCC	12	ON/OFF PULSE
4	FB	13	GND2
5	GND1	14	+133V INPUT
9	+8V		

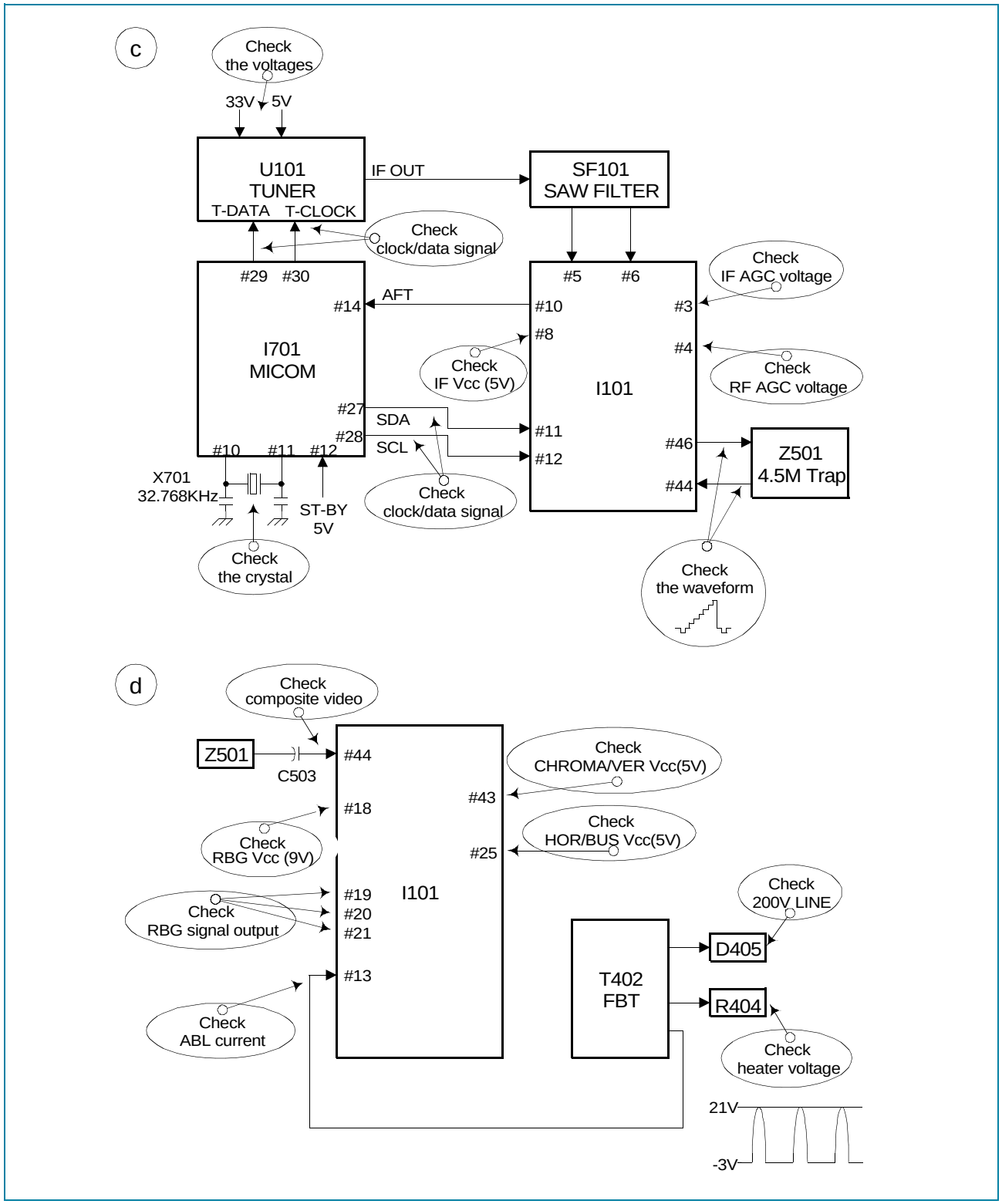
1. NO POWER

If MICOM(I701) is DW863240V-EA1, set does not operate, or remocon does not operate, then ① replace DW863240V-EA1 with DW863240V-EA2(I701) ② replace 24LC16B(I703) with 24LC16B(I703)which ROM DATA was written : A.S PARTS



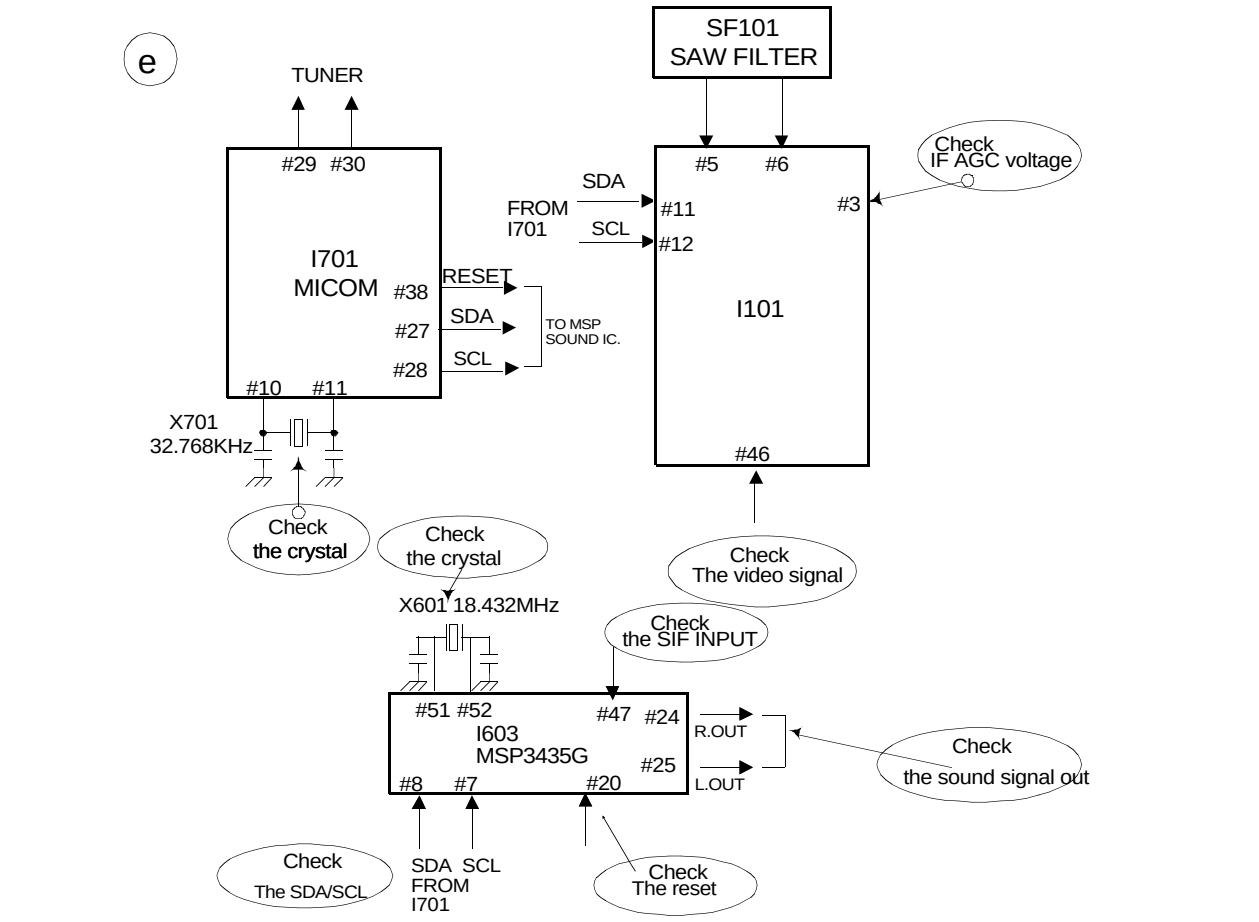
2. NO PICTURE

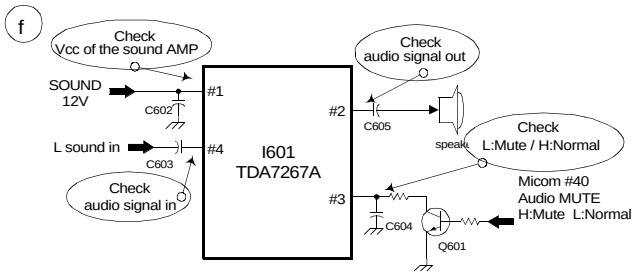
Check the waveform of I101 #46	NG : GO to the figure ⓒ
	OK : Go the figure ⓓ



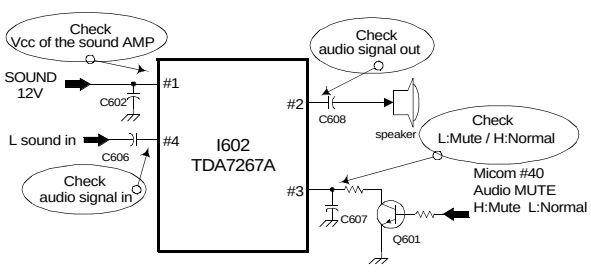
3.1 NO SOUND

Check audio output signal of I601 #24 #25	NG : Go to the figure (e)
	OK : Go to the figure (f)





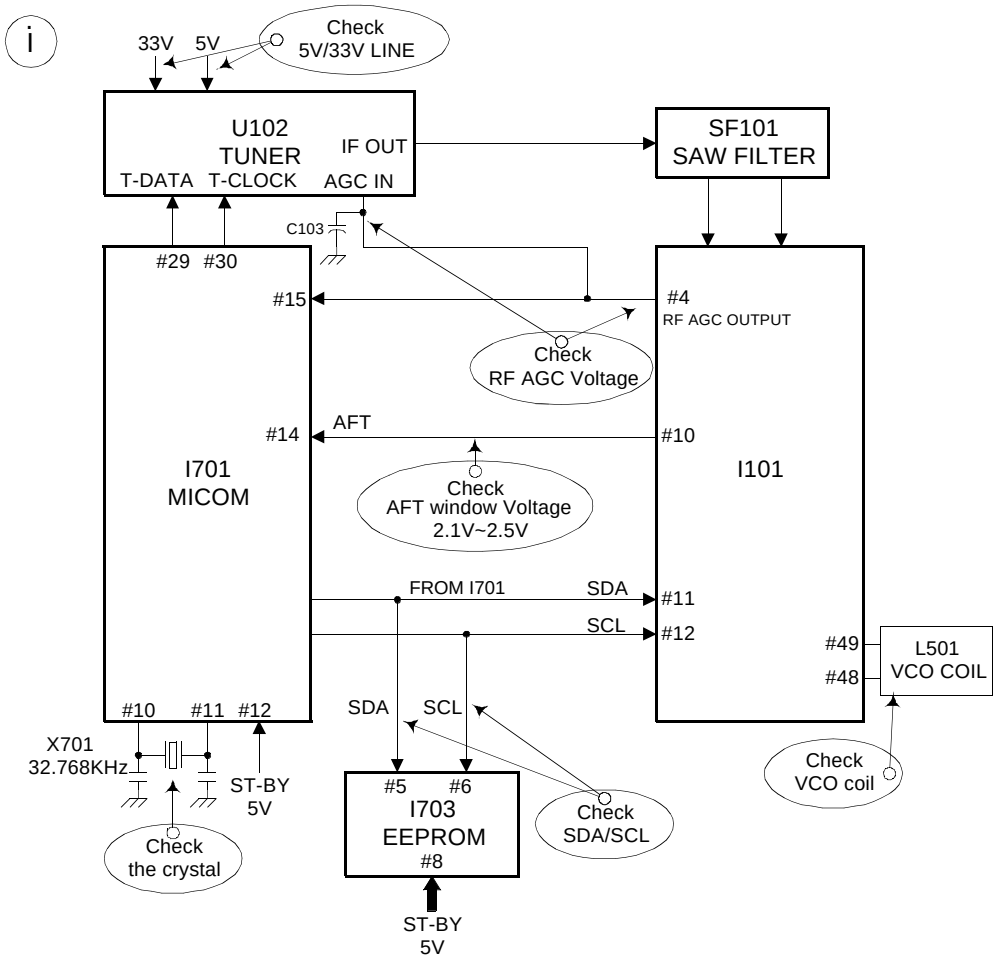
: R, SOUND CHECK



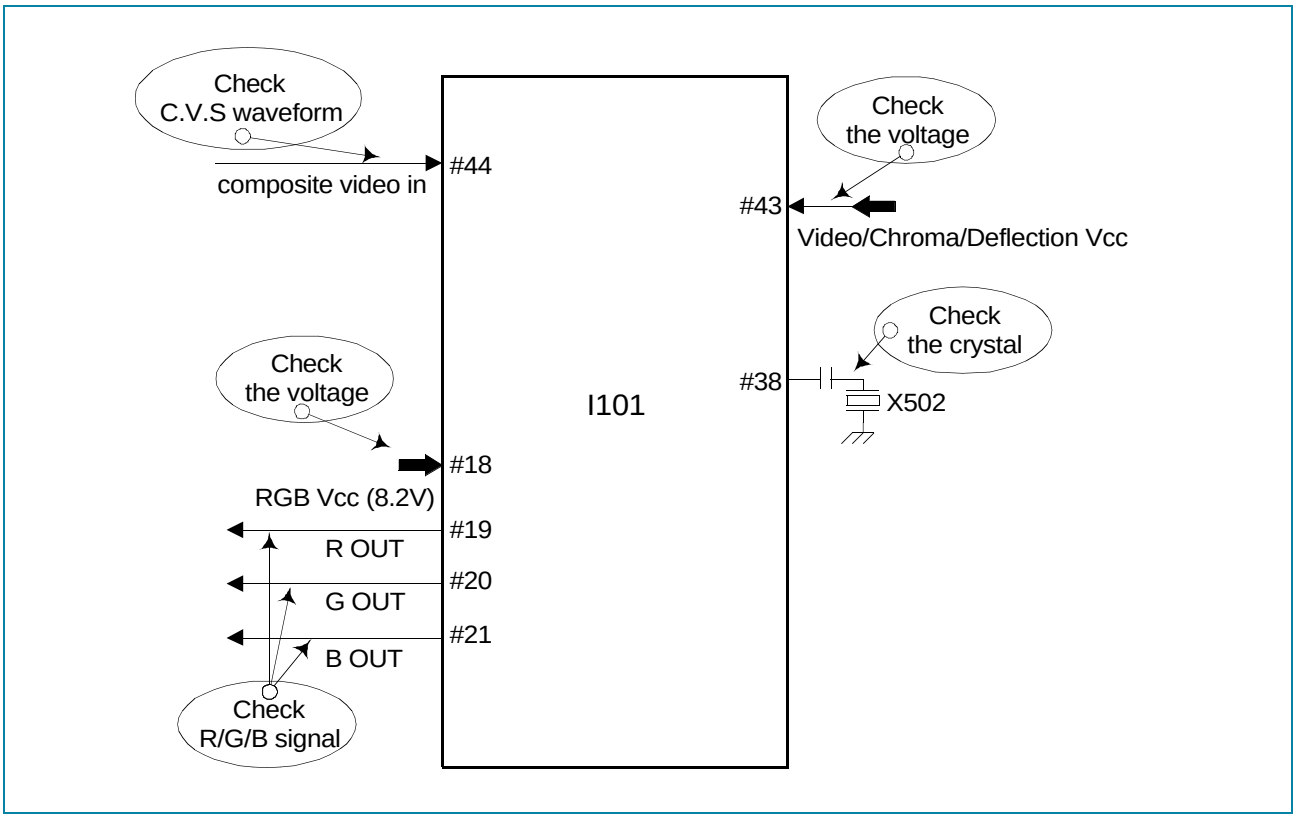
: L, SOUND CHECK

4. CH DON'T STOP

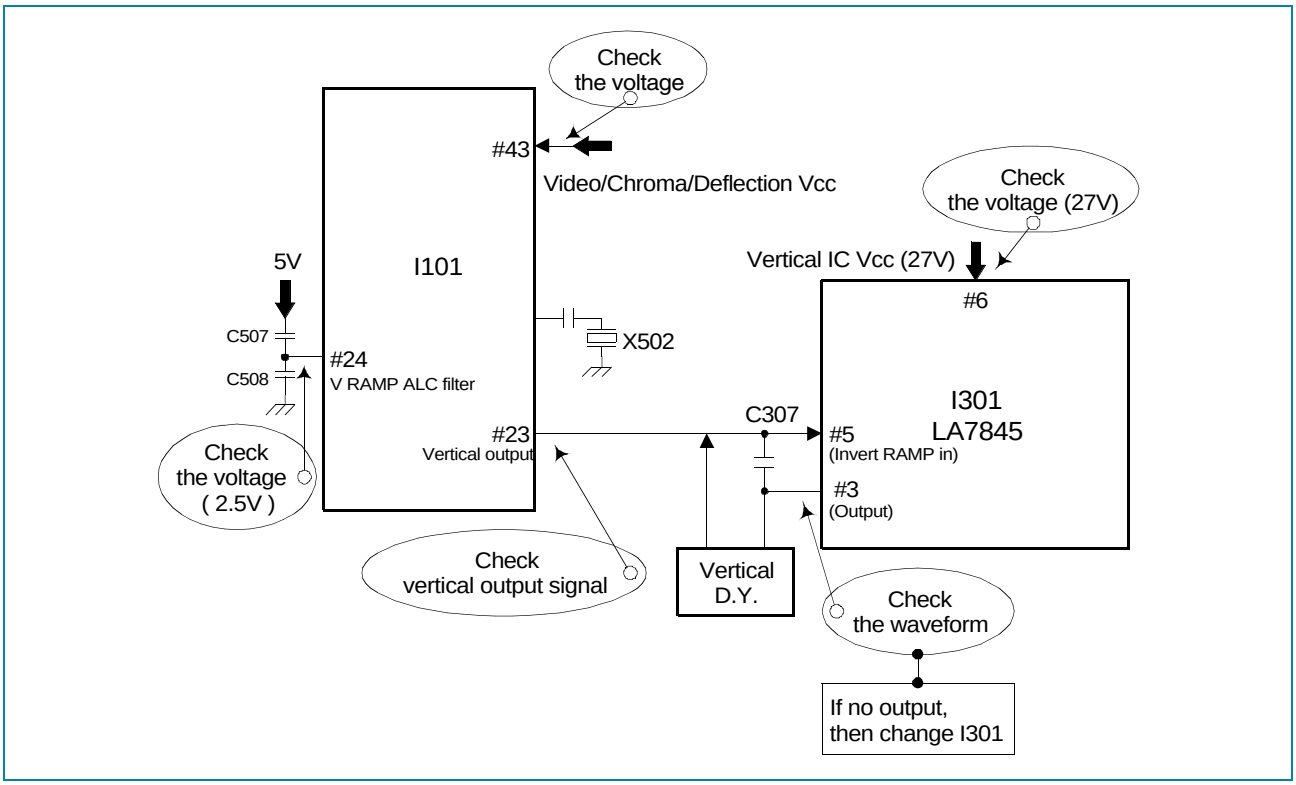
Check the input signal conditions	NG : Loss of signal or weak signal
	OK : Go to the figure ⓘ



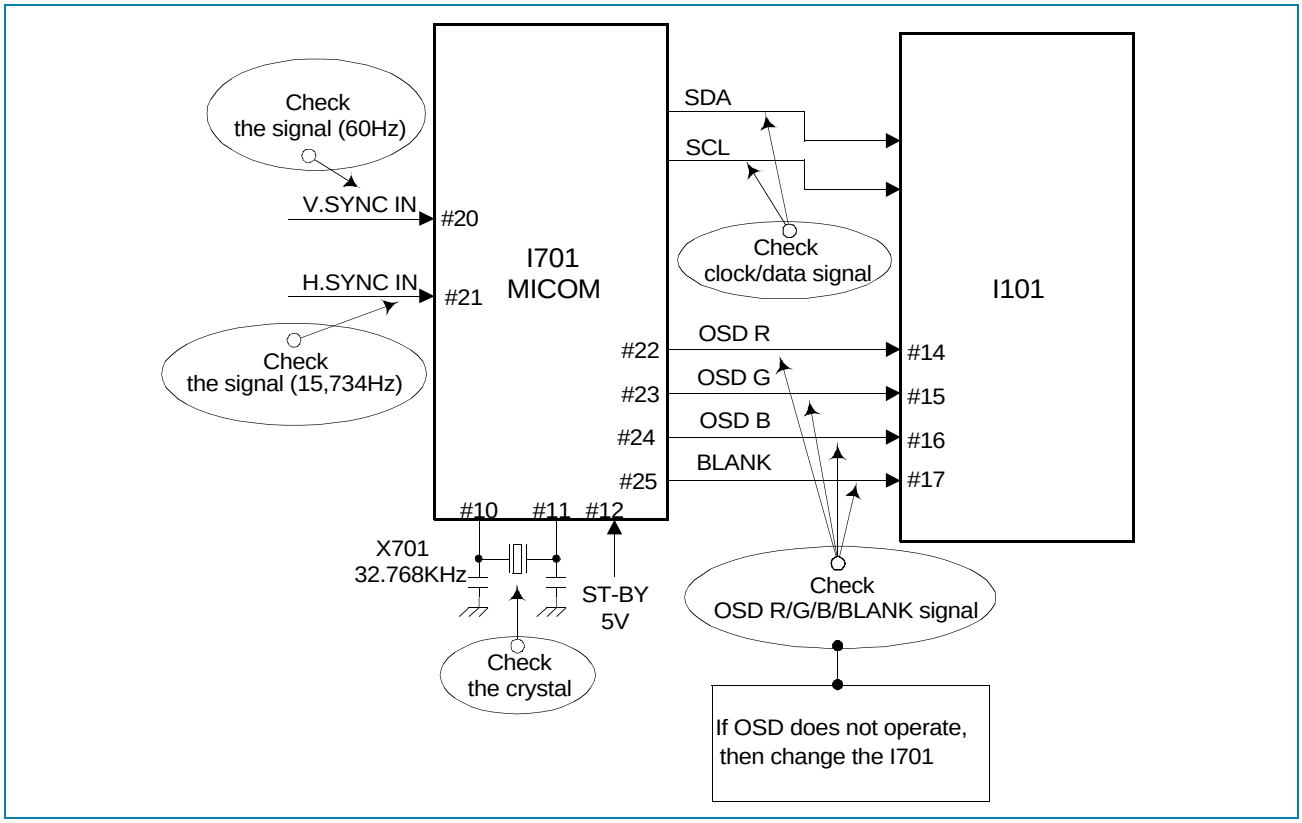
5. NO COLOR



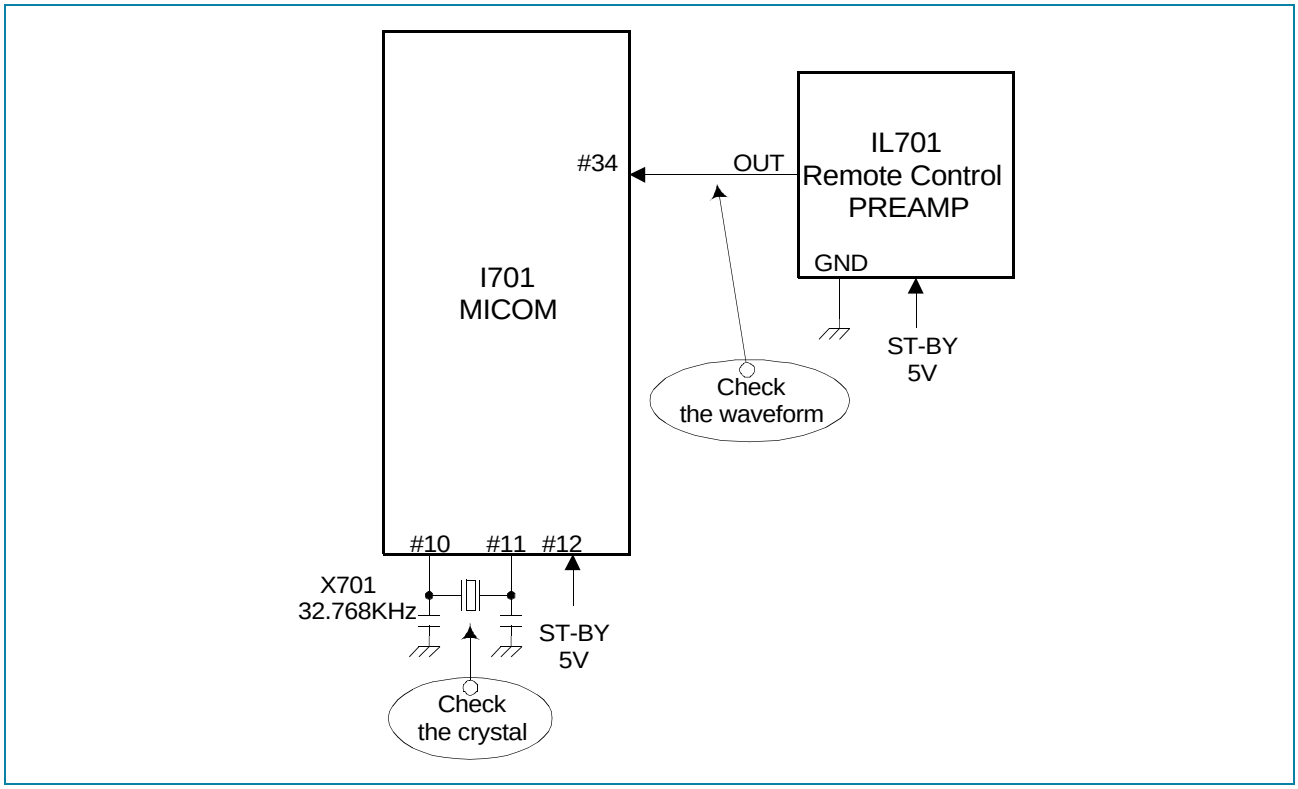
6. NO VERTICAL DEFLECTION



7. NO ON-SCREEN DISPLAY



8. REMOTE CONTROL DOES NOT OPERATE



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